

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



1/57

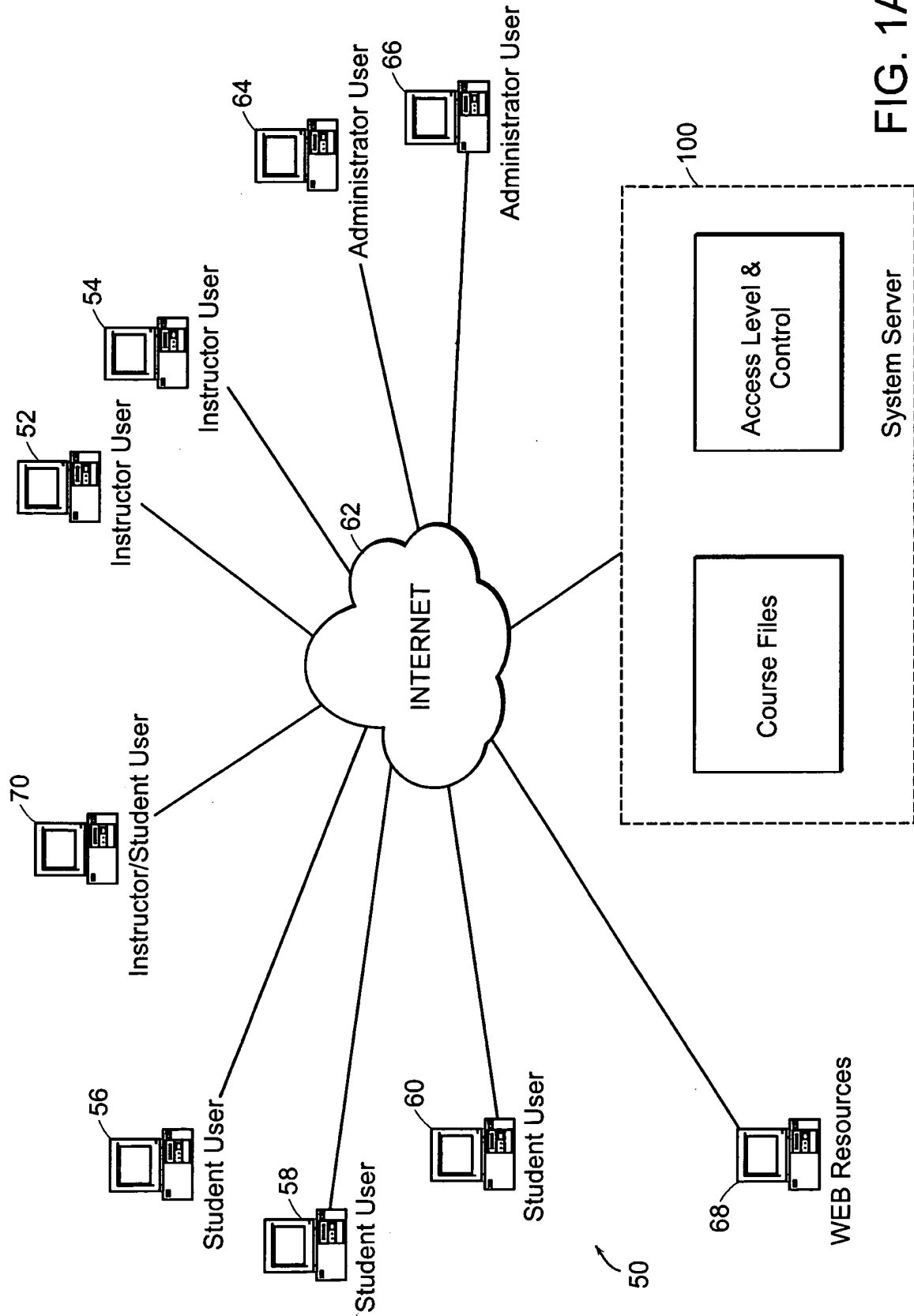


FIG. 1A

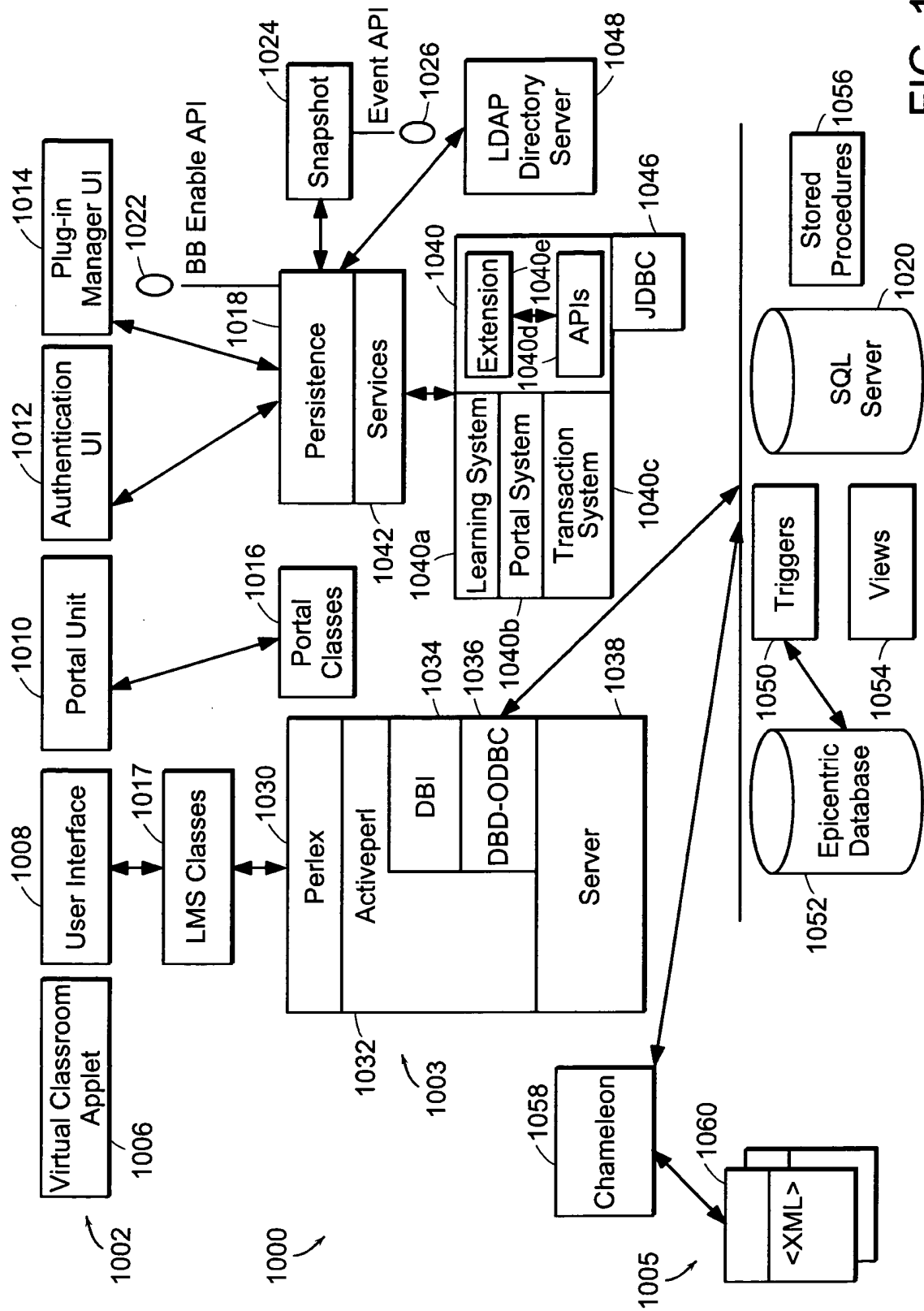


FIG. 1B

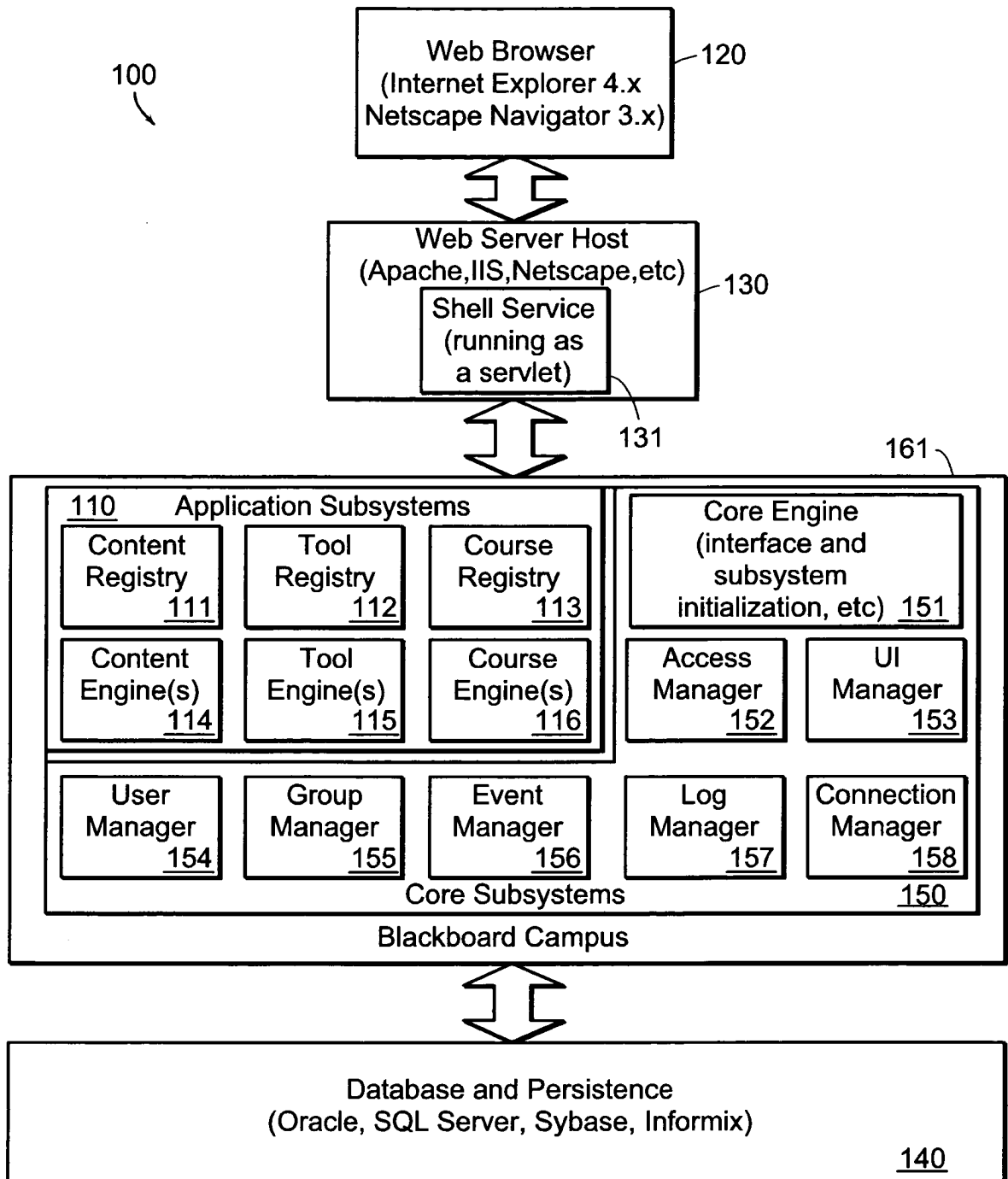
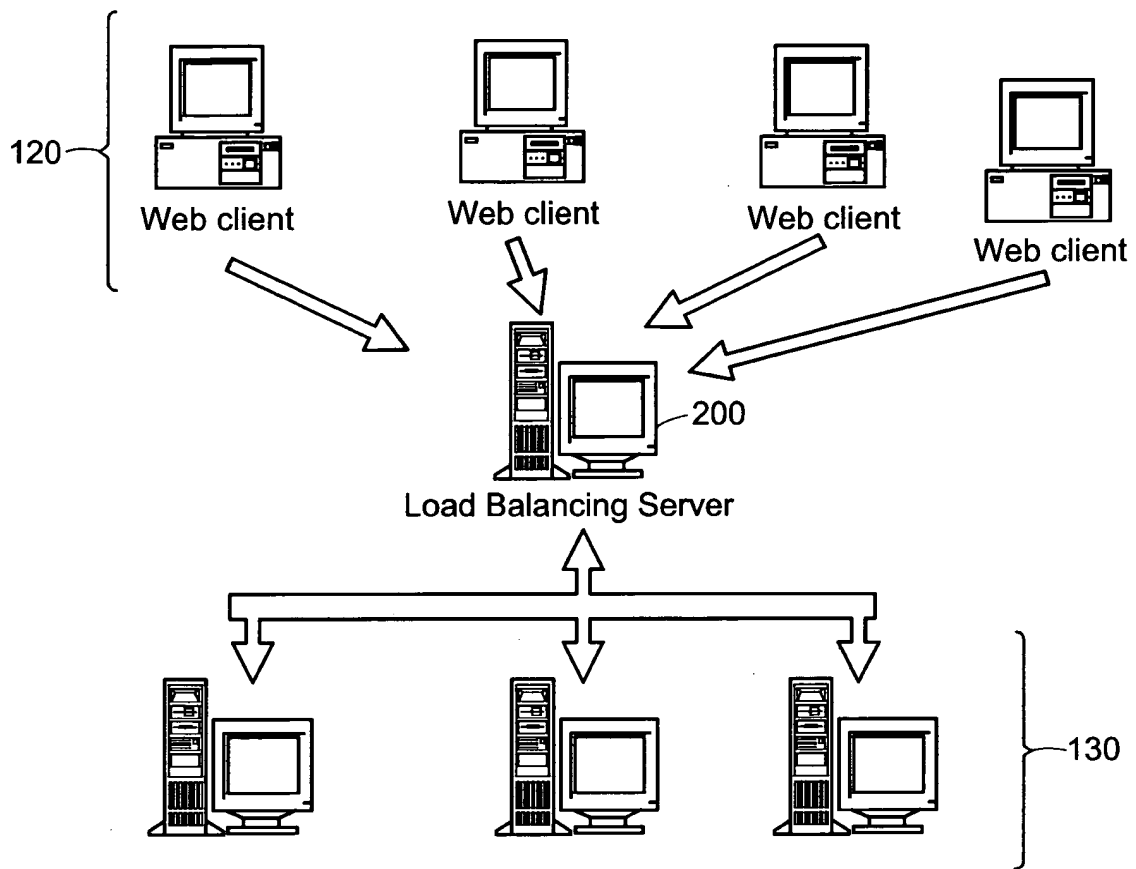
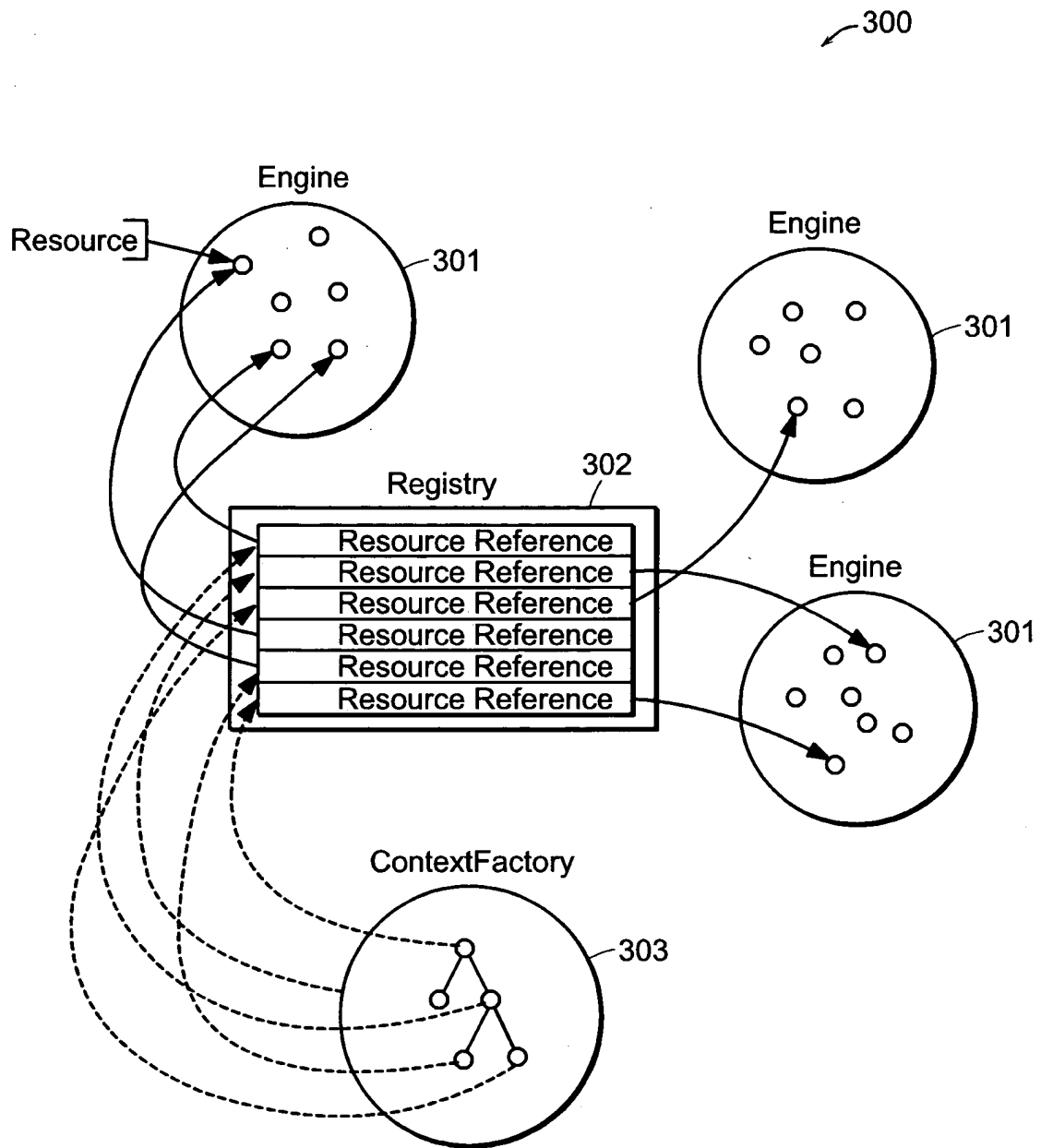


FIG. 1C



Machine Scalability Using Load Balancing

FIG. 2

*Engine/Registry Model***FIG. 3**

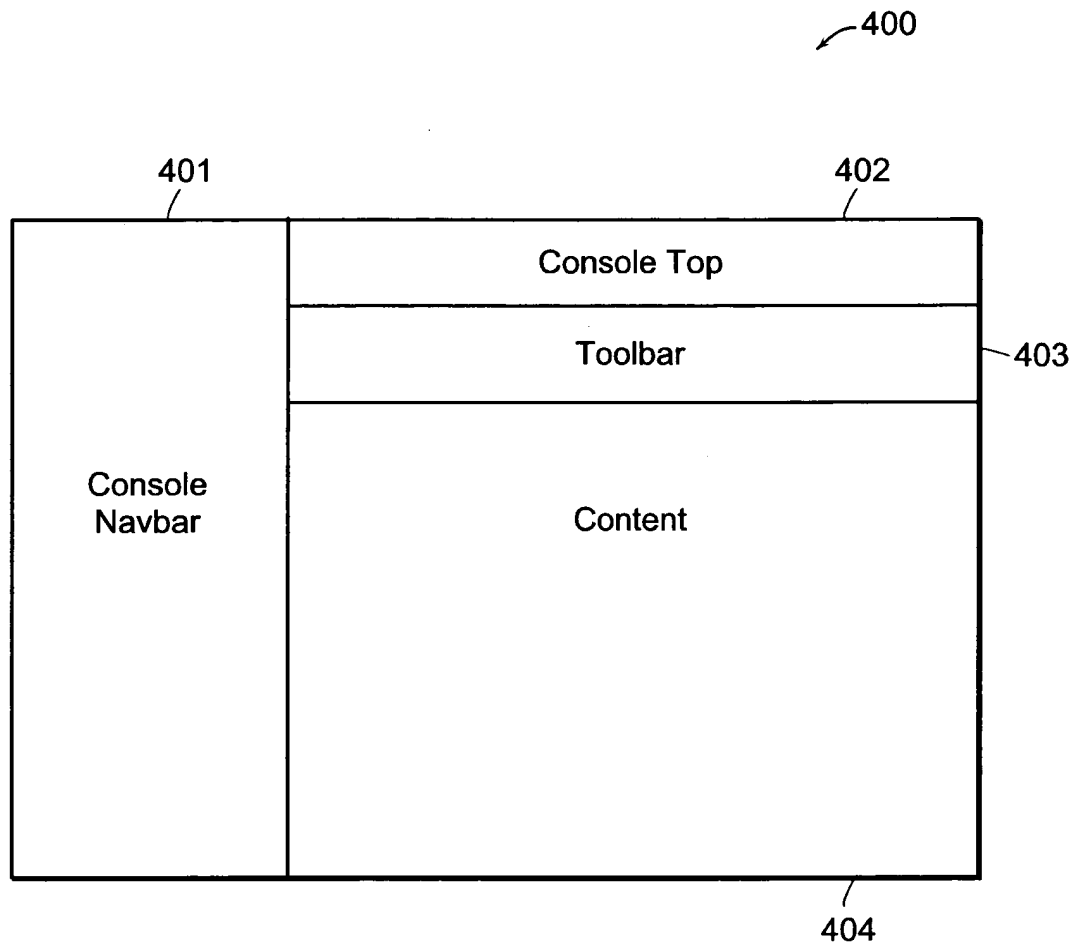


FIG. 4

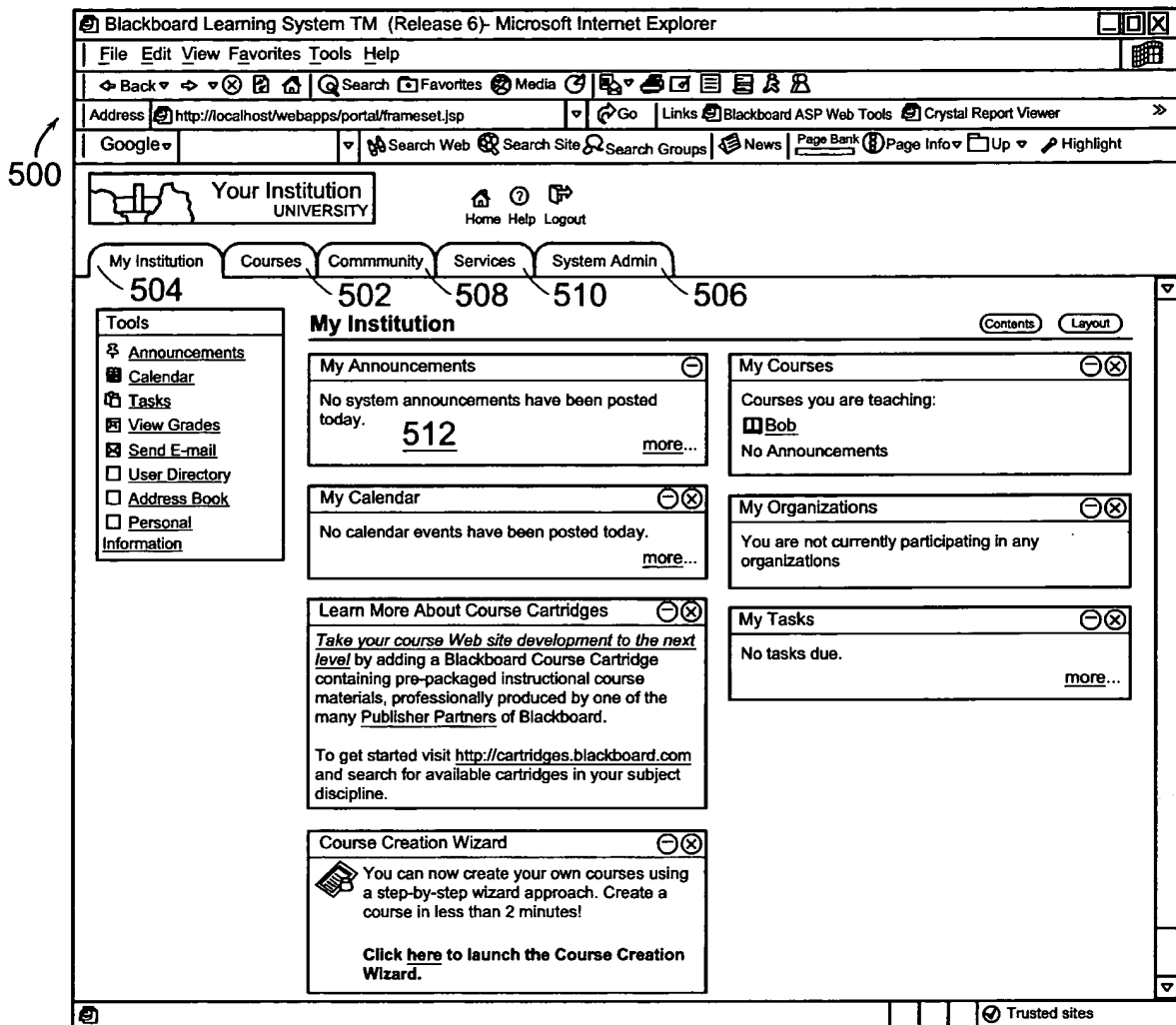


FIG. 5

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss

Address http://georgetown1/Blackout_v30r/bb_admin/frames/frame_enterprise_courses.html Go

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services Academic Web Resources

SEARCH THE WEB

Search for a course:

 GO

[advanced search](#)

OFF-CAMPUS LEARNING

Kaplan
Help prepare for final exams.

Tutornet
Need a tutor, use the virtual chat 24 hour Tutornet service.

eHow
Find out how to do just about anything

Blackboard.com
Find courses you can take online

SEARCH THE WEB

Search the Web

 GO

[advanced search](#)

FIG. 6

9/57

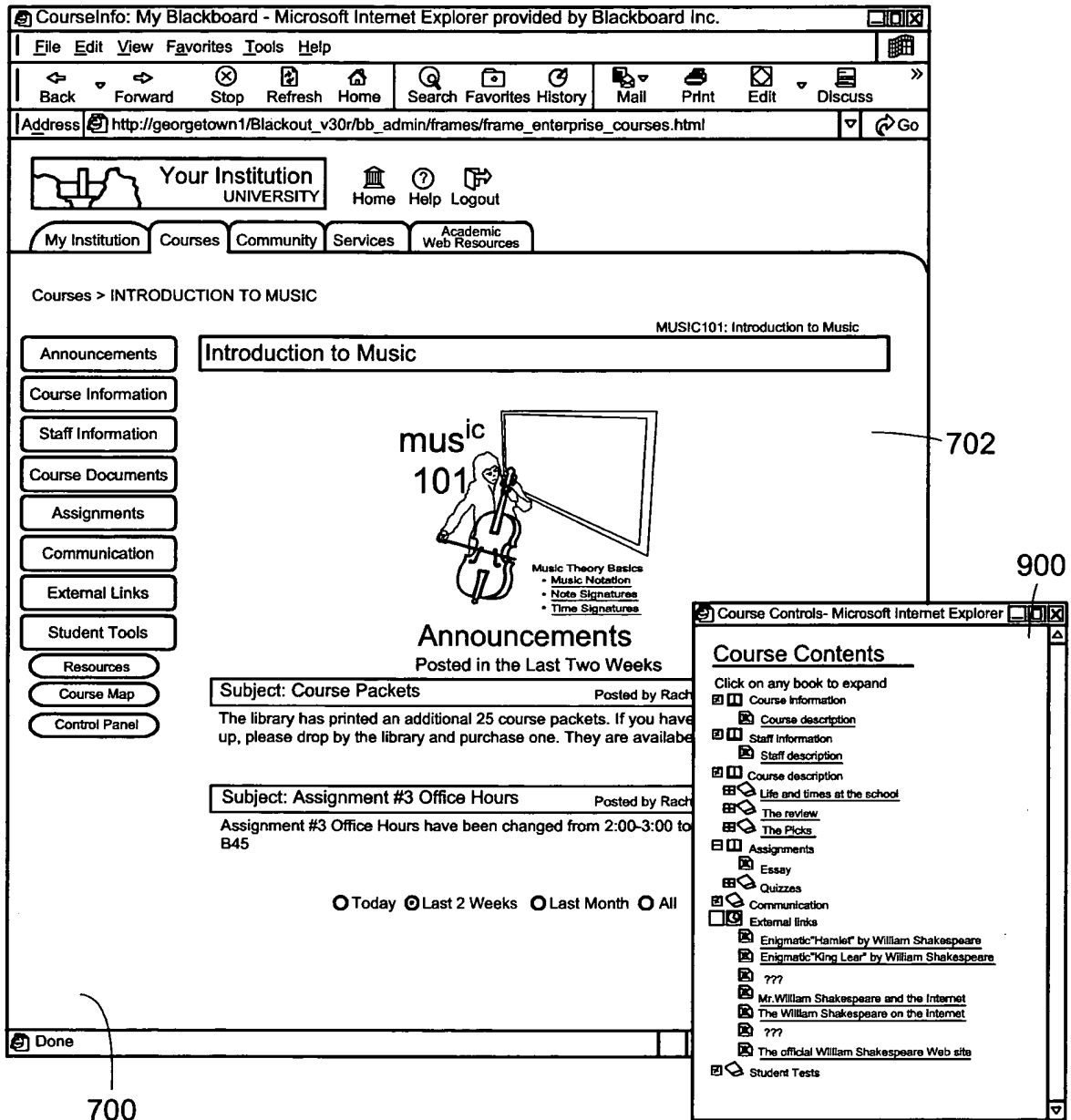


FIG. 7

10/57

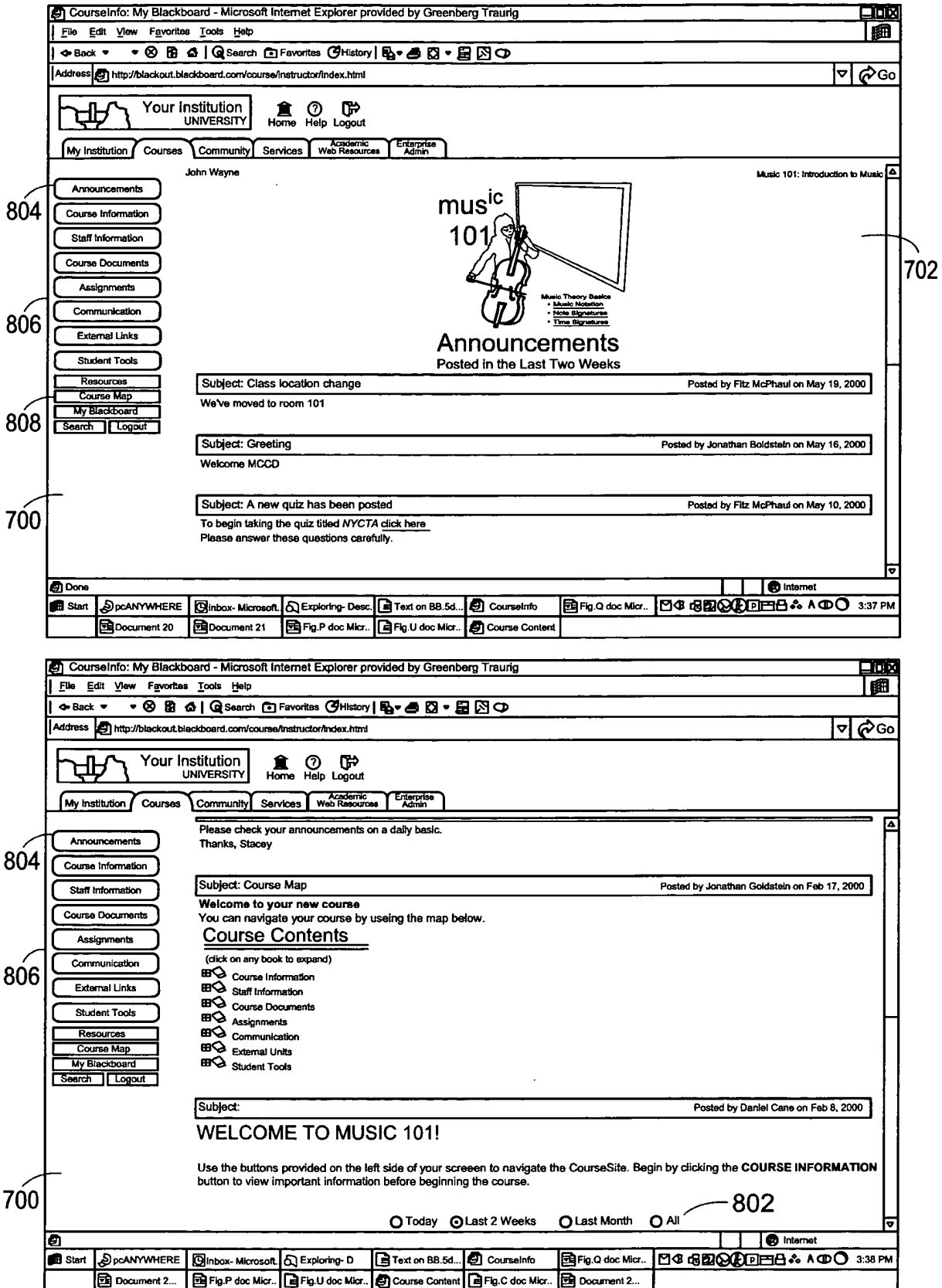


FIG. 8

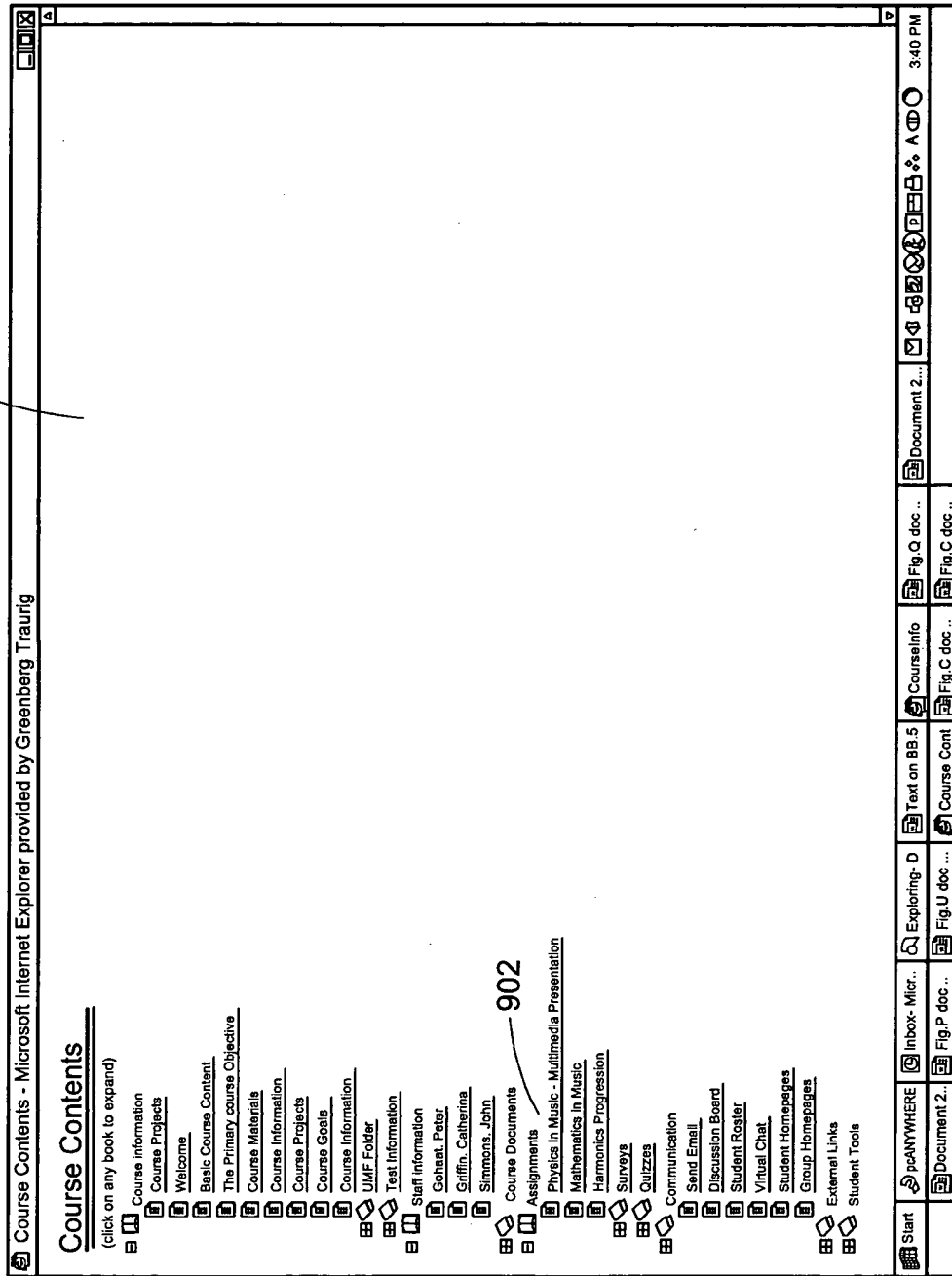


FIG. 9

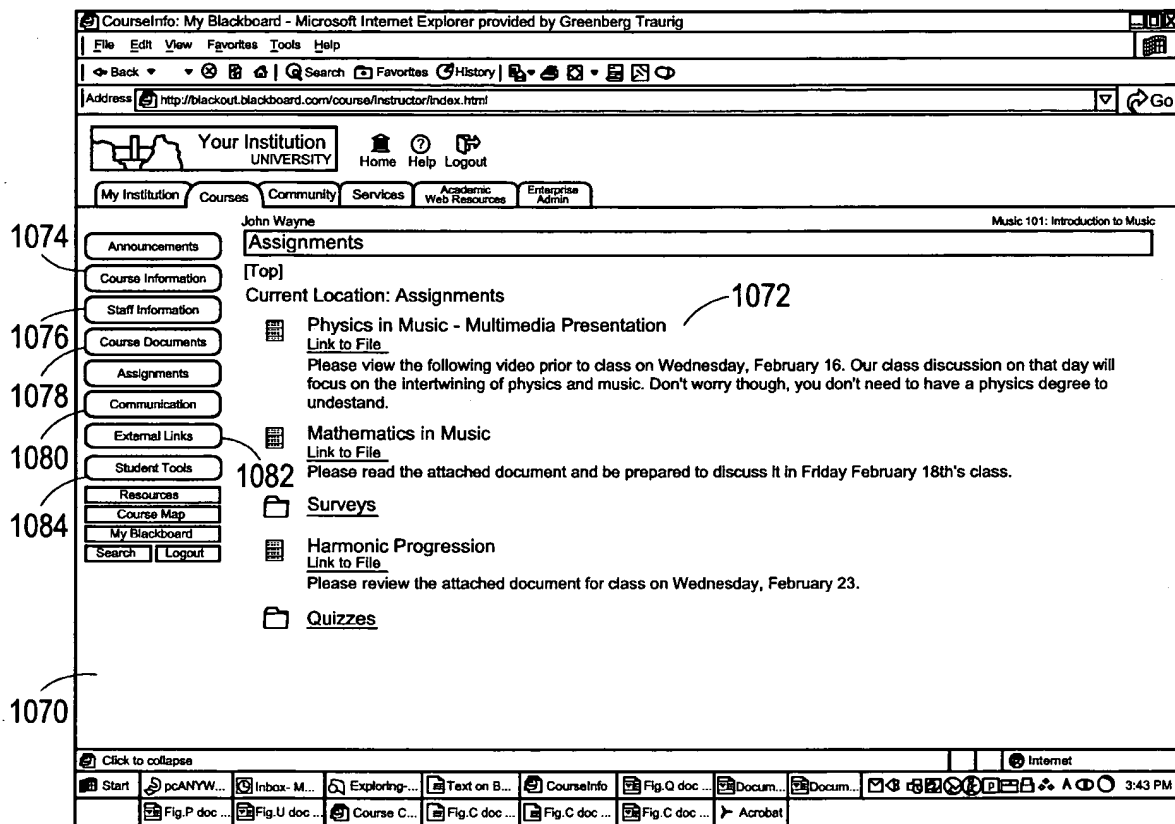
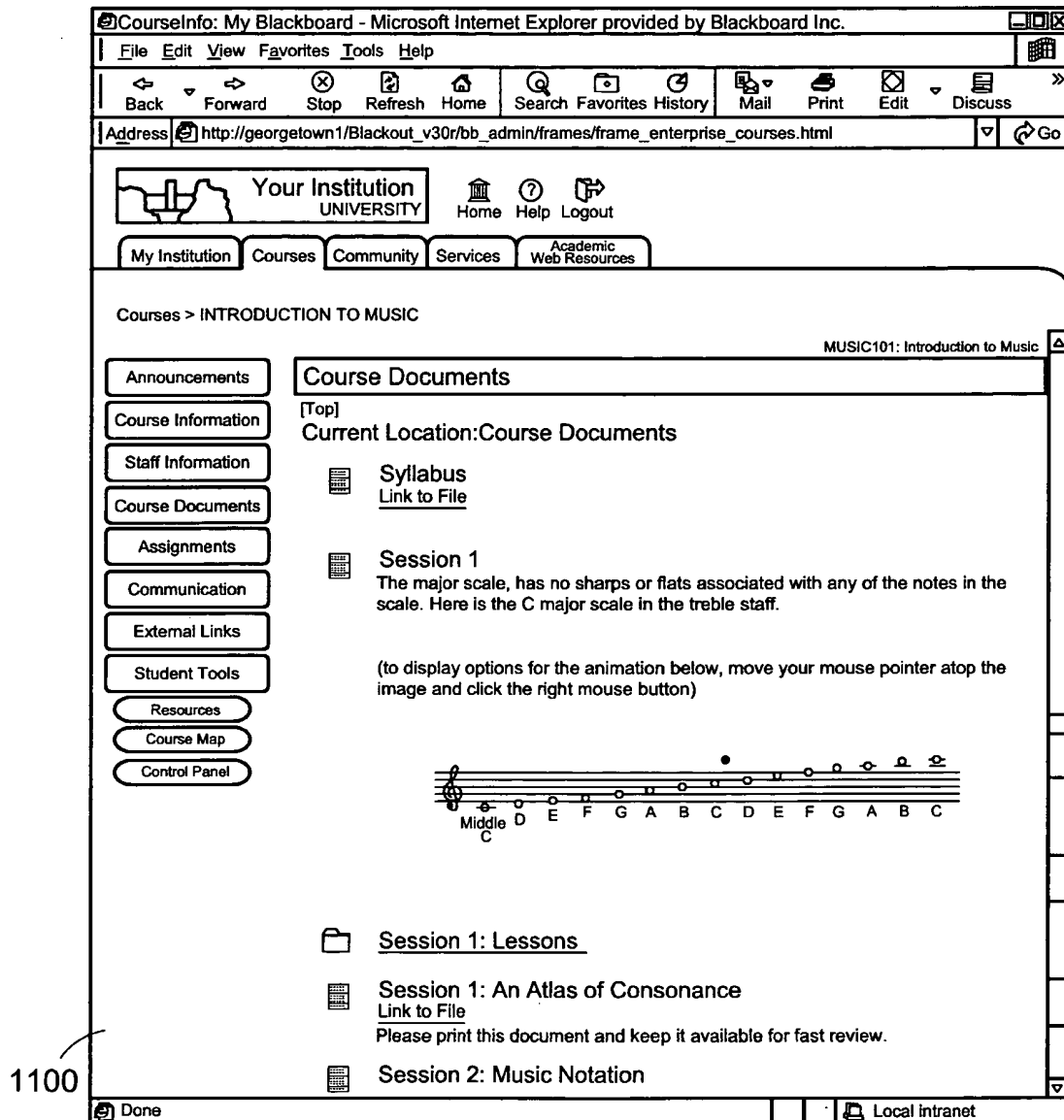
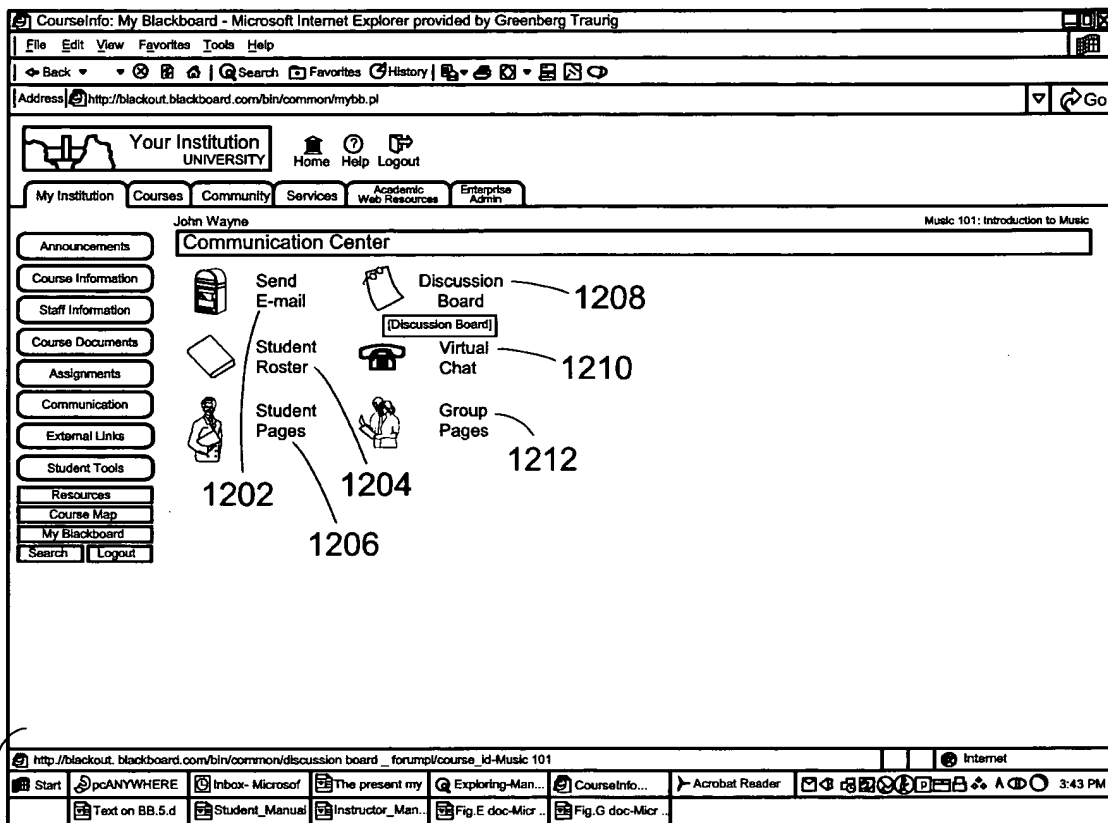


FIG. 10



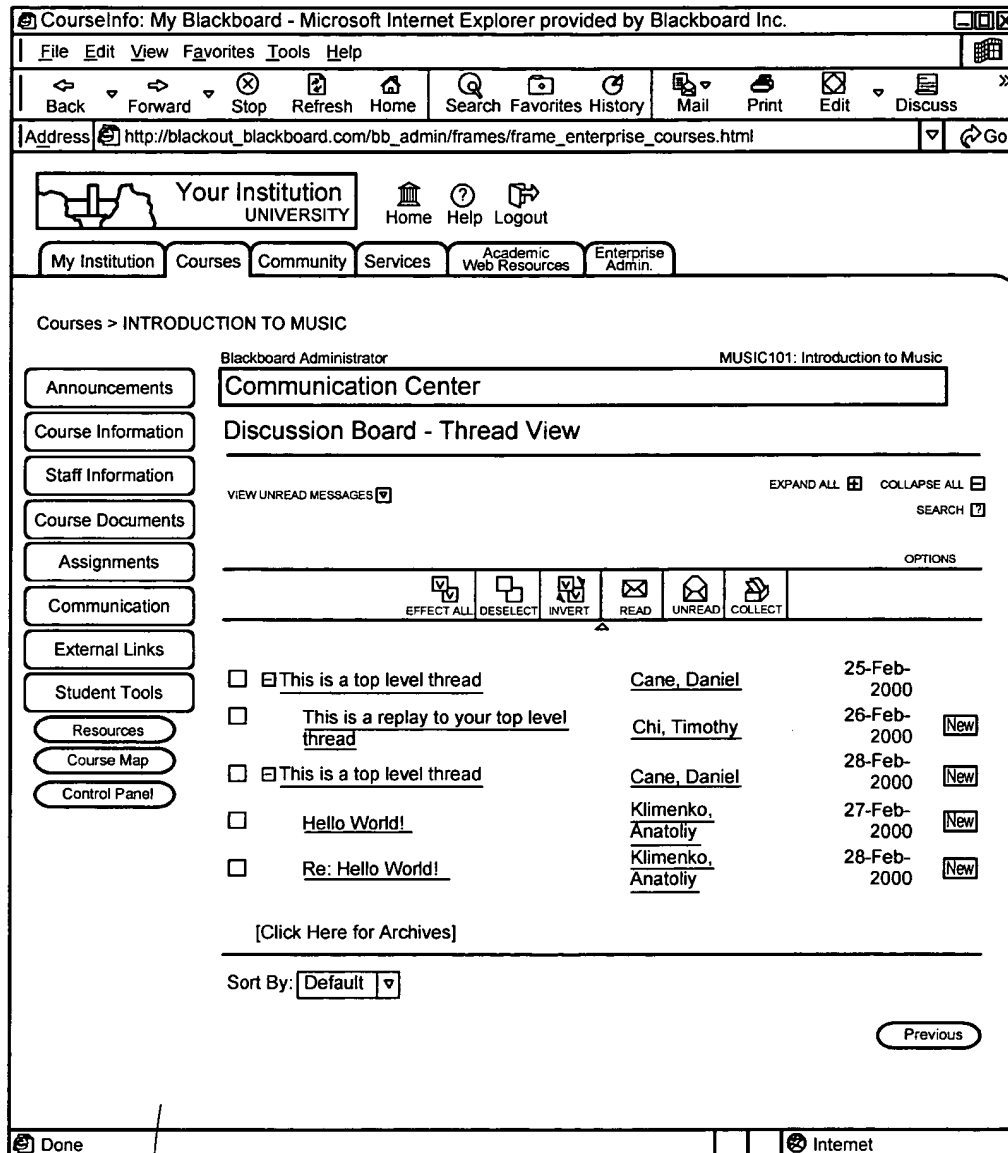
1100

FIG. 11



1200

FIG. 12



1300

FIG. 13

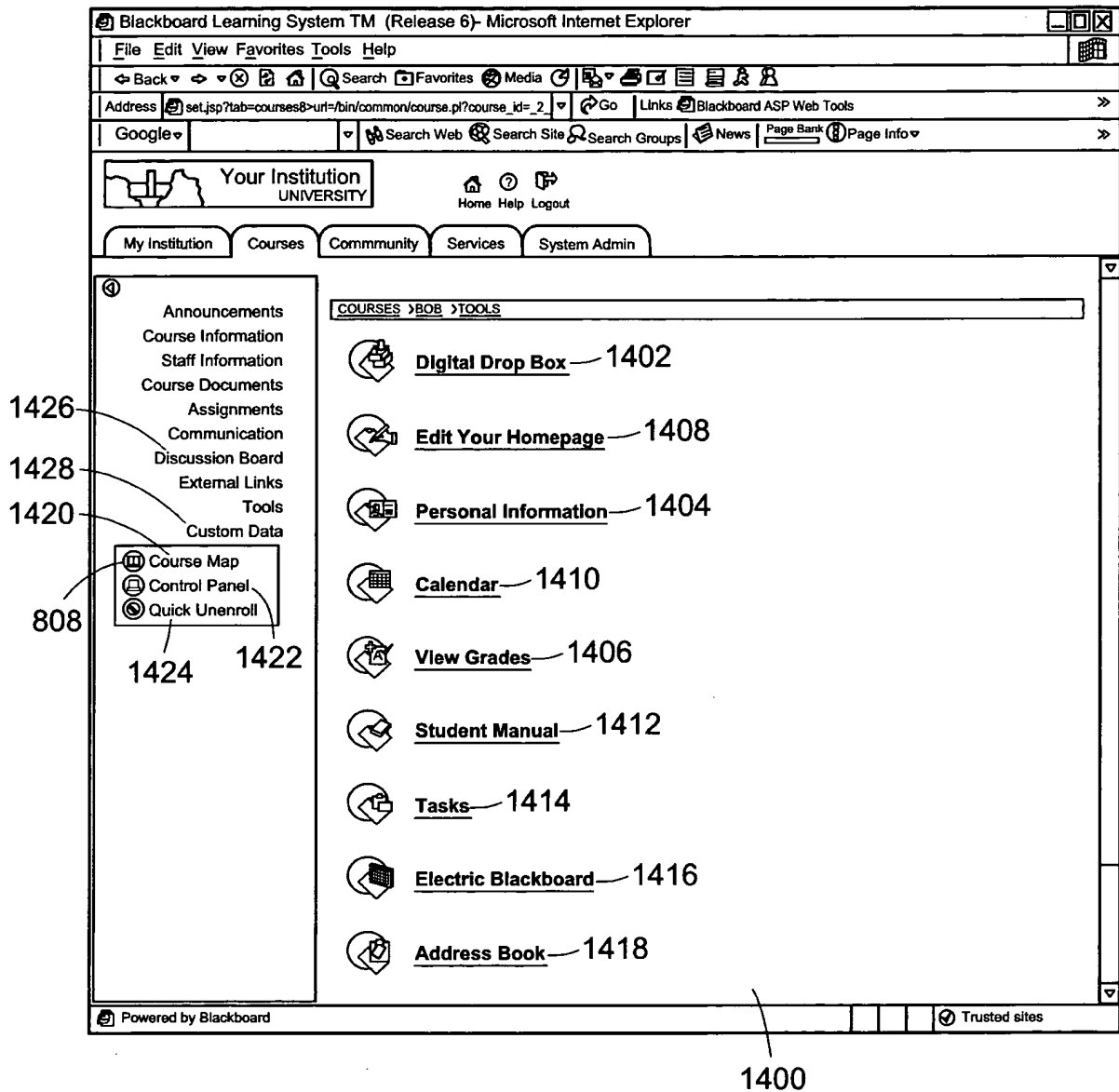


FIG. 14

Student Drop Box

Use your student drop box to submit files to your instructor. Also, your instructor can return your files to you with comments attached.



Current Files in your DropBox

1508

Note: If you want to save a file, right click on the Link Name and choose Save Link As

<u>File Name</u>	<u>Link Name</u>	<u>File Size</u>	<u>Status</u>
none	none	none	none

[Remove Files] 1510



Add File to DropBox

Click the *Browse* button to select the file to attach from your computer.
Be sure to specify a linkname for your file,

File to Upload:

Name of Link to File:

(Example: *Homework One, Assignment One*)

1502

Browse...

1504

1506

Send File to Instructor

Back

1500

FIG. 15

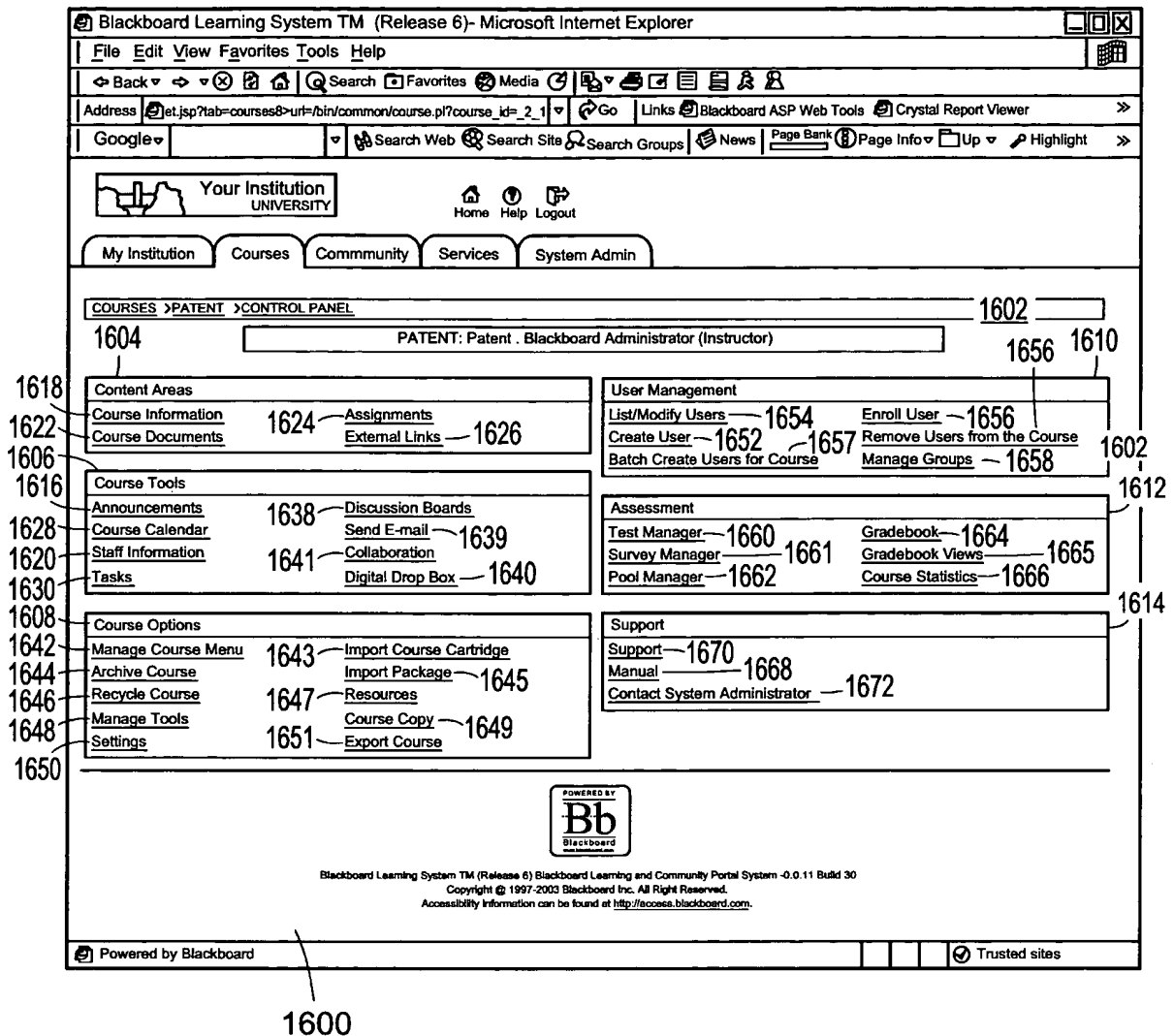


FIG. 16

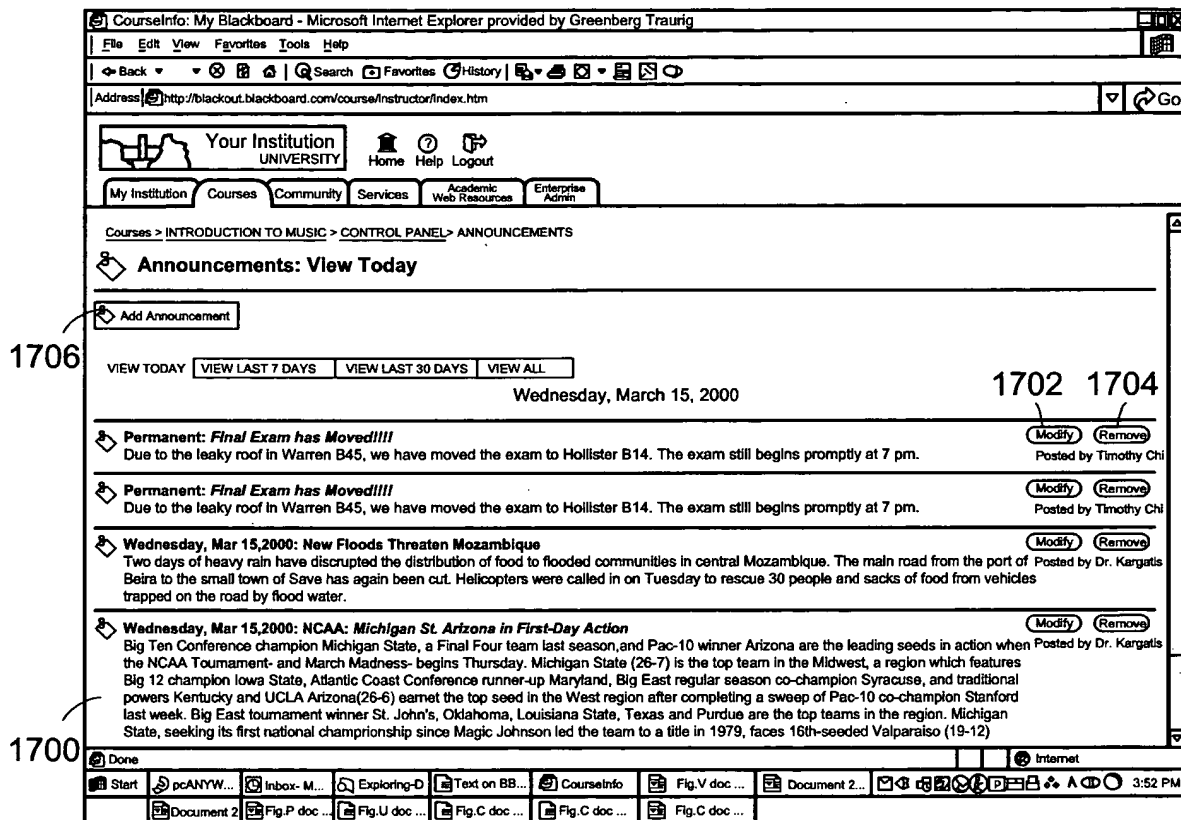


FIG. 17

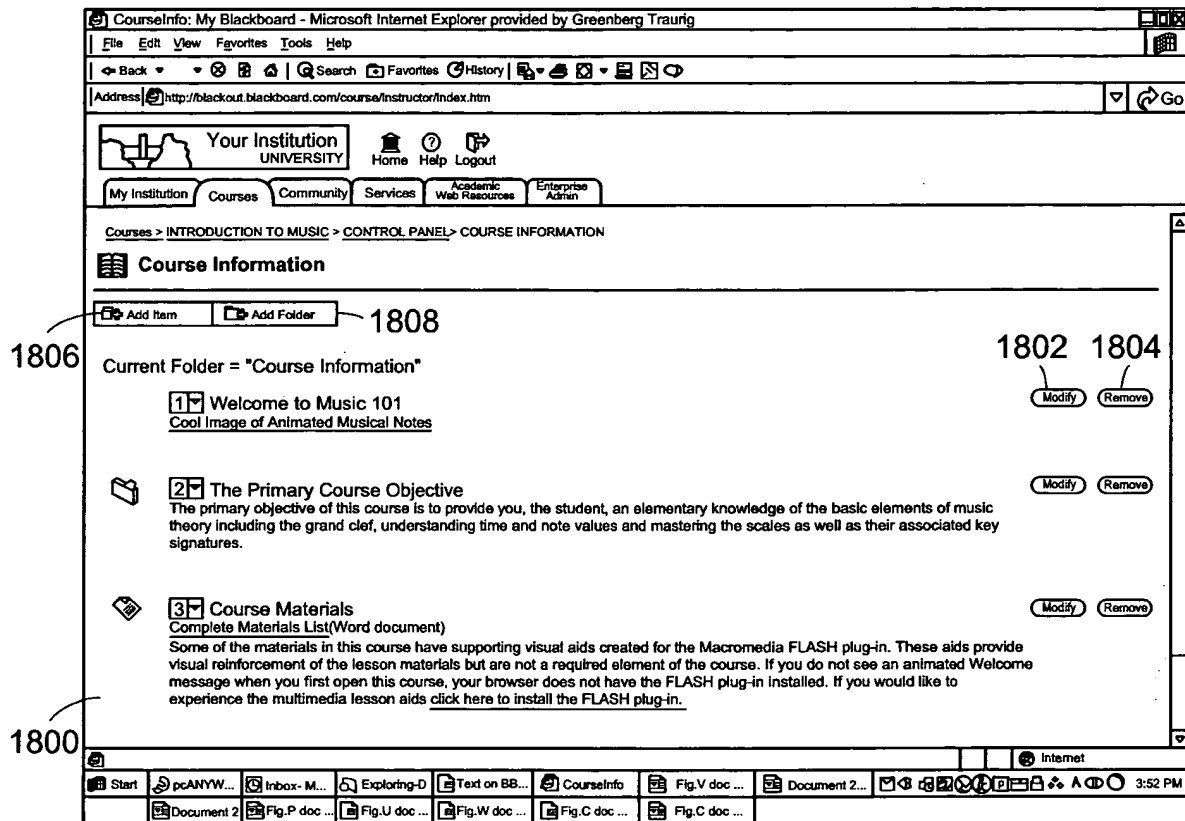


FIG. 18

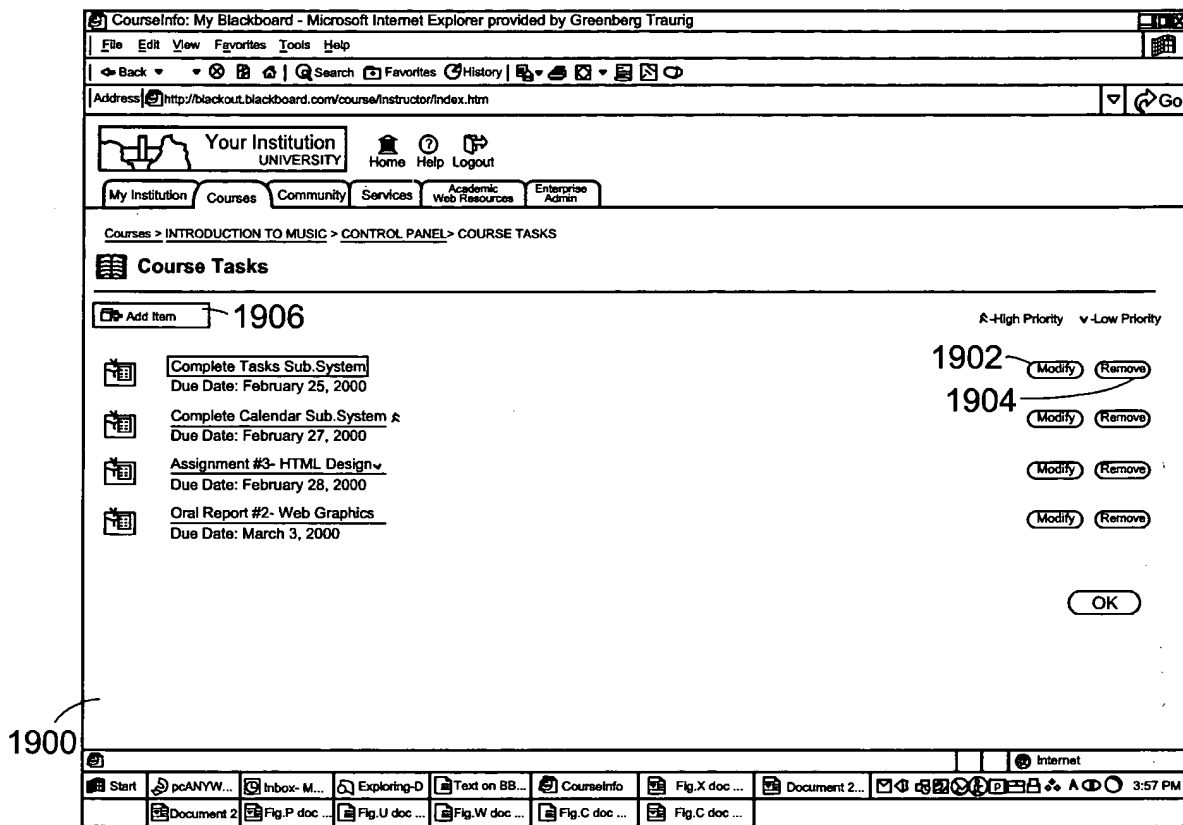


FIG. 19

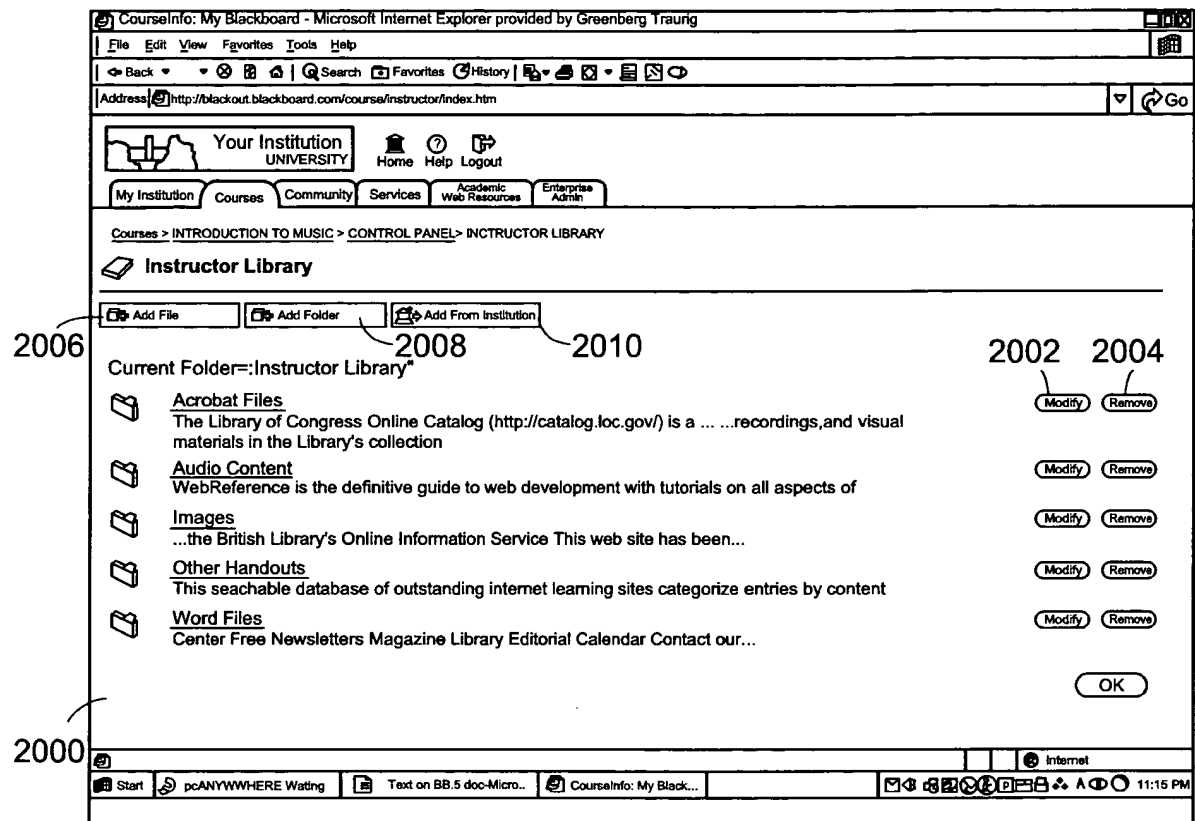


FIG. 20

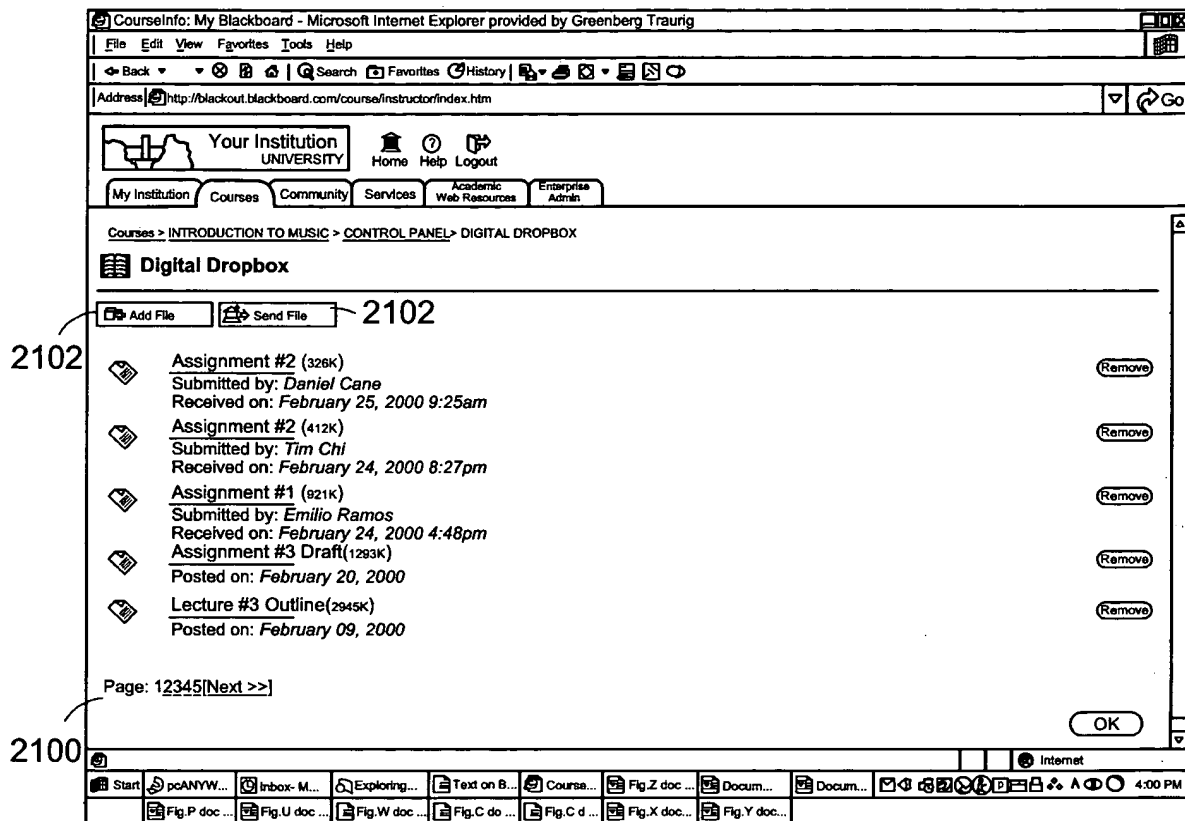


FIG. 21

Blackboard Learning System TM (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print View Source

Address et.jsp?tab=courses&url=/bin/common/course.pl?course_id= 2_1 Go Links Blackboard ASP Web Tools Crystal Report Viewer

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

COURSES > PATENT > CONTROL PANEL > GRADEBOOK

View Spreadsheet 2200

2202 2204 2206 2208 2210 2212 2218

Add Item Manage Items Gradebook Settings Weight Grades Download Grades Upload Grades

Sort Items by: Position GO Filter Items by Category: All GO Filter Users by Last Name: All GO

Student Name (Last, First)	Mid-Term Assignment Pts Possible: 0 Weight: 0%	Total Pts Possible: 0	Weighted Total
Alcorn, Bob	100	100	0%

1 Students
Displaying records 1 - 1 << Previous 1 Next >>

☐ In Progress
☐ No Information
☐ Needs Grading
☐ Grading Error
☒ Completed
 Denotes a non-visible item

OK

Powered by Blackboard Internet

FIG. 22

COURSES > INTRODUCTION TO MUSIC > CONTROL PANEL > COURSE STATISTIC > REPORT

Course Statistics

Statistics Generated on Thursday, February 24, 2000 11:26:28AM

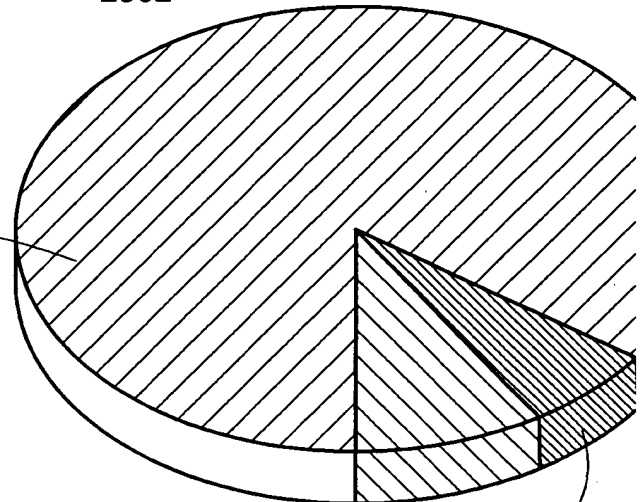
Note: You may have to reload/refresh this page for the images to be correct.

Total Number of Accesses per Area	2302
Number of Accesses over Time	2304
User Accesses per Hour of the Day	2306
User Accesses per Day of the Week	2308
Total Accesses by User	2310

Total Number of Accesses per Area — 2302

Area Name	Hits	Percent
Content Areas	139	83.2 %
Communication Areas	10	5.98 %
Group Areas		0 %
Student Areas	15	8.98 %
Total	167	100 %

Content Areas



Communication Areas

Number of Accesses over Time — 2304

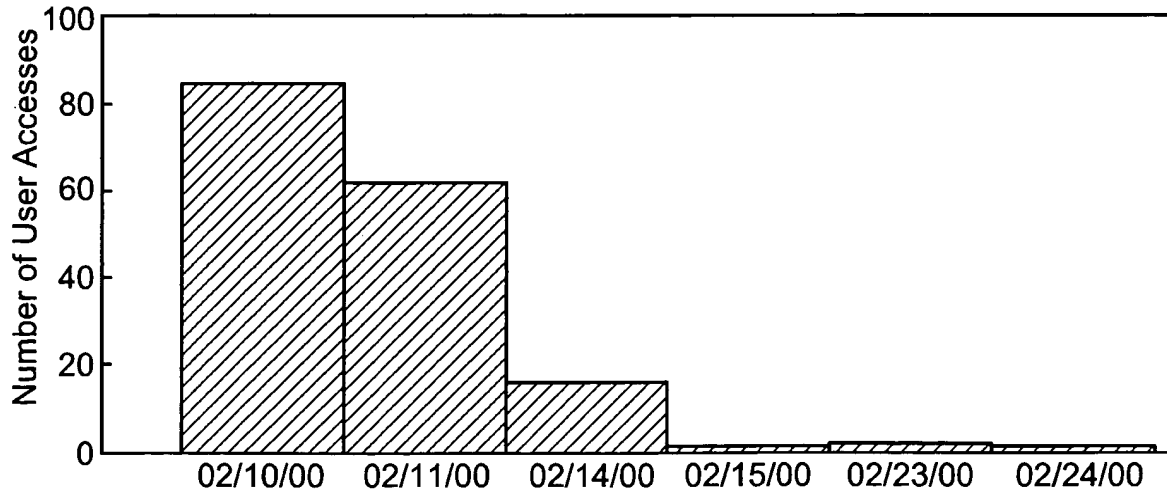


FIG. 23A

User Accesses by Hour of the Day				2306
Hour of the Day	Hits	Percent		
8	1	0.59 %		
9	7	4.19 %		
10	94	56.2 %		
11	15	8.98 %		
12	4	2.39 %		
13	22	13.1 %		
15	1	0.59 %		
16	3	1.79 %		
17	14	8.38 %		
22	3	1.79 %		
23	3	1.79 %		
Total	167	100 %		

Fig. 23B-1
Fig. 23B-2

2300

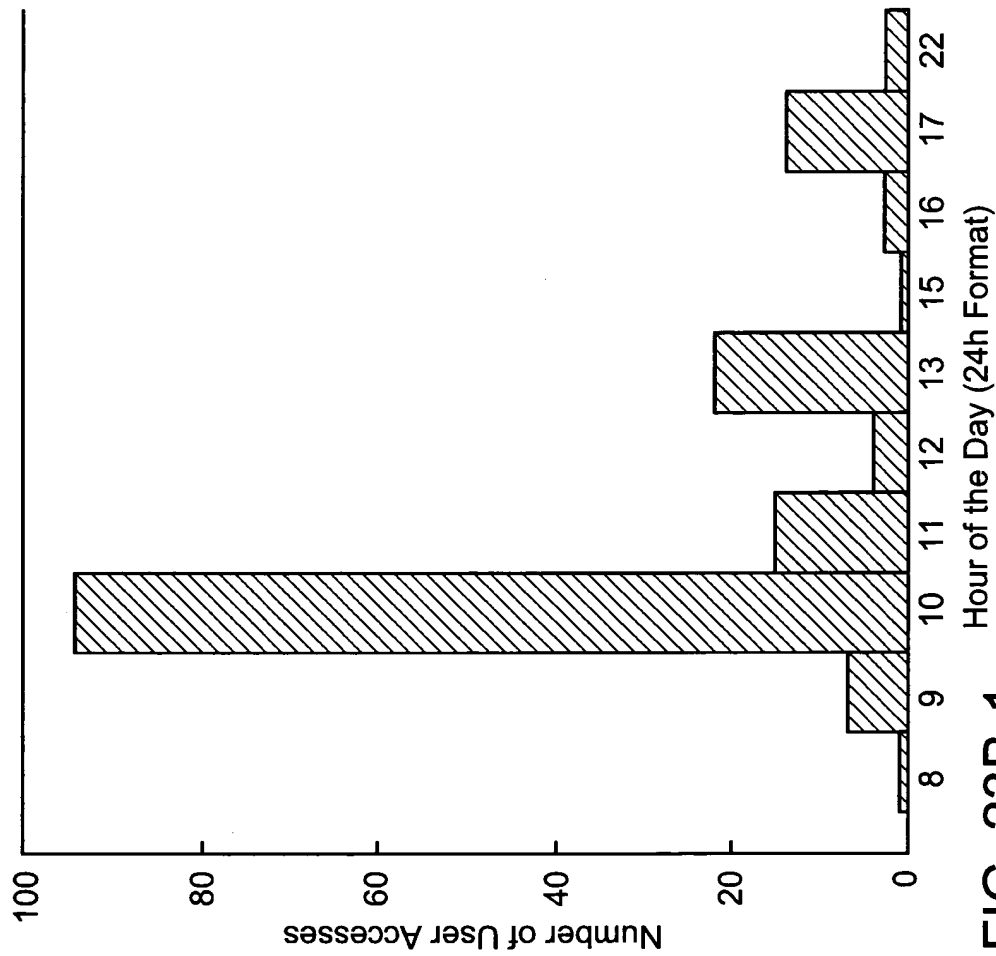


FIG. 23B-1

FIG. 23B

2308

User Accesses by Day of the Week

Day of the Week	Hits	Percent
Monday	16	9.58 %
Tuesday	1	0.59 %
Wednesday	2	1.19 %
Thursday	86	51.4 %
Friday	62	37.1 %
Total	167	100 %

2300

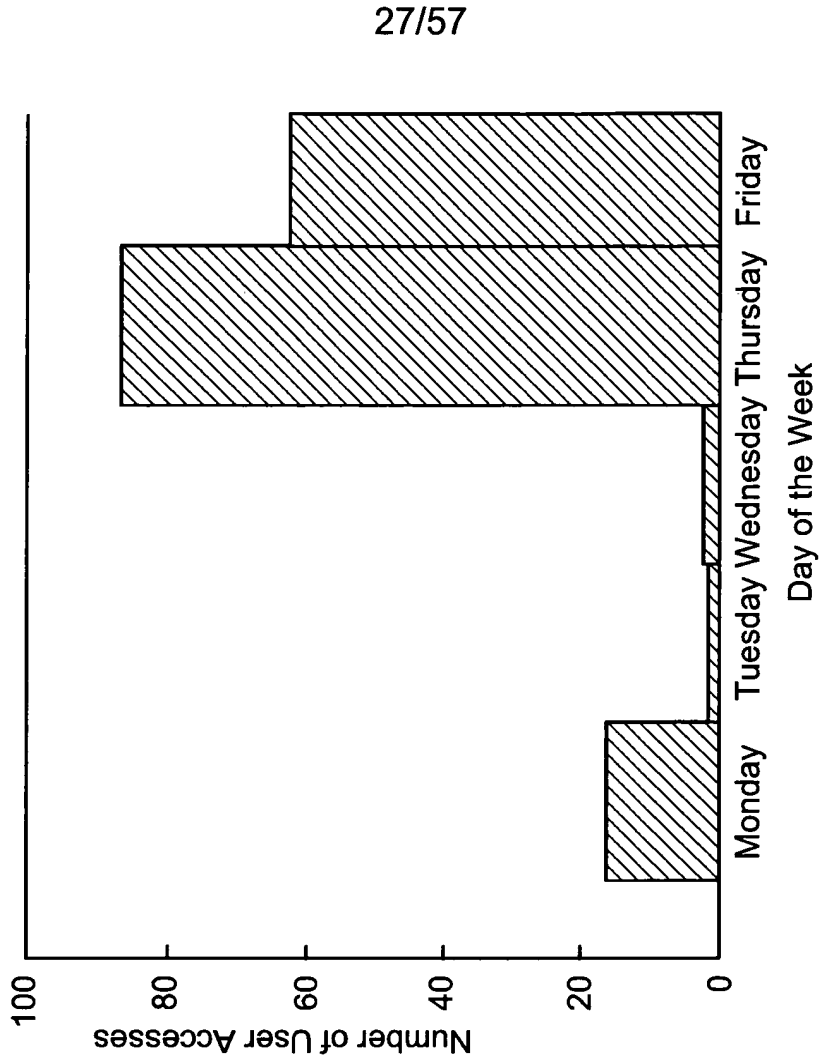


FIG. 23B-2

Blackboard Learning System™ (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Search Favorites Media Print View Source

Address http://localhost/webapps/portal/frameset.jsp?tab_id=7_1 Go Links Blackboard ASP Web Tools Crystal Report Viewer Expense Reports

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

2403a 2403b 2403c 2403d 2401

Blackboard Learning System™ (Release 6) Blackboard Internal SE Dev Edition 6.0.9 build 220

bb_bh60 administrator (System admin)

2414 2442

2402 Courses

2436 List/Modify Courses 2416 Export Course

2404 Create Course 2418 Archive Course

2406 Batch Create Courses 2420 Restore Courses

2408 Batch Enroll Users in Course 2422 Settings

2410 Remove Course 2424 Images and Icons

2412 Copy Course Catalog 2426

2428 Import Course

2430 Organizations

2432 List/Modify Organizations 2462 Import Organization

2433 Create Organization 2464 Export Organization

2437 Batch Create Organizations 2466 Archive Organization

2438 Batch Enroll Users in Organization 2468 Restore Organization

2439 Remove Organization 2470 Settings

2440 Copy Organization Images and Icons

2441 Discussion Boards Catalog

System Options

Manage System Extension 2444 System Config Info 2448

System Reporting 2446 Logs 2450

Tools

Announcements 2454 2452 2460

Institution Calendar 2456 2458

Send E-mail 2458

Security and Integration

SSI Choice 2472 Customize User Profile

Authentication Config 2474 User Privileges

Manage Context Encryption Key System Settings

Integration Password Gateway Options 2478

Customize Login Page 2476

Assistance

Online Admin Manual 2480 2482 2479

Online Support Site 2484

Designate Local Support Contact

Users

List/Modify Users Remove Users from the System

Create User Batch Remove Users from the System

Batch Create Users 2434 Observer Management

Postal Areas

Manage Tabs 2440 Manage Tool Panel

Powered by Blackboard Trusted sites

FIG. 24

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss

Address http://georgetown1/Blackout_v30r/bb_admin/frames/frame_enterprise_community.html Go

Your Institution UNIVERSITY Home Help Logout

My Institution Courses **Community** Services Academic Web Resources

2502

COMMUNITY SEARCH

Search the Web: Go

[advanced search](#)

OFF-CAMPUS COMMUNITIES

The Arts
Books, Writing, Art, Poetry

College
Greek, Academics, Nightlife

Cultures
Race Relations, Foreign Students

Fun & Games
Humor, Video, Games, Gaming

Health & Fitness
Working Out, Nutrition

Jobs
Career, Internships, Work Study

Money
Finance, Investing, Insurance

Movies
Reviews, Celebs, Filmmaking

Music
Videos, News, Bands

Personal & Misc.
The rest of it

Politics

Club List: Add

Clubs of which you are a Member:

College Democrats
Meet with other Democrats to fight the Republicans

Sigma Alpha Mu
Greek Life

Football
Intramural Basketball
Join a team every Tuesday night

Math Club
If you are good at math join us.
No Calculus required (joke)

Club Catalog:

- **Theater and the Arts**
- **Business & Investing**
- **Christianity**
- **Computers & Internet**
- **Cooking, Food & Wine**
- **Entertainment**
- **Health, Mind & Body**
- **History**
- **Home & Garden**
- **Literature & Fiction**
- **Oprah**
- **Parenting & Families**
- **Professional & Technical**

Discussion Boards: Add

Housing
Looking for a roommate, or have housing questions. Post here.

Greek Life
Greek, Academics, Nightlife

Ride Board
Find a ride home or offer a ride.

Study Groups
Humor, Video Games, Gaming.

College Sports
Working Out, Nutrition

Teacher's Lounge
Where teachers can chat

Home Help
Need help from home

Social Life
Party hosted by Letts Hall at Quigley's Midtown.

Politics
Let's get those darn independents.

Intramurals
Join or start your own intramural sports team.

Done Local intranet

2500


FIG. 25

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss


Address http://georgetown1/Blackout_v30r/bb_admin/frames/frame_enterprise_services.html Go

 Your Institution UNIVERSITY

Home Help Logout

My Institution Courses Community **Services** Academic Web Resources Enterprise Admin

2602

 **Institution Services:**

ACADEMIC LIFE
Academic Calendar | Academic Units | Academic Program and Research Units | Courses, Classes, and Exams | Graduate School | Summer Session | Undergraduate Admissions

COMPUTING SERVICES
University Information Technologies | HelpDesk | Network Status | Updating Telephone Directory | News & Events | ResNet | Rights and Responsibilities | University Web, Gopher, and FTP sites | Training | Technology Connection

THE UNIVERSITY CAMPUS
Athletics | Calendar of Events | Campus Events | Campus Life | Campus Maps | Campus Store | University Police | University Facts | Dining | Environmental Health and Safety | Health and Wellness | Housing | News | Transportation Schedules | Weather

STUDENTS LIFE AND ACTIVITIES
Calendar of Events | Career Opportunities | Student Organizations | University United Religious Work | Student Rideboat | Student Services | University Electronic Directory

UNIVERSITY ADMINISTRATION
Employment Opportunities | Academic and Administrative Offices | Human Resources | Alumni Affairs and Development | Division of Financial Affairs | Project 2000 | Office of the Senior Vice President and Chief Financial Officer | Office for Purchasing Services | Transportation and Mail Services | University Administration | University Assemblies | University Policies and Procedures

SURROUNDING COMMUNITY
Dining and Entertainment | Transportation Schedules

OFF-CAMPUS SERVICES
[Financial Aid](#)
Department of Education Resources
[Financial Services](#)
[Career Center](#)
Online job banks and resources
[Health](#)
Find doctors and health facts on the web.
[Health & Fitness](#)

SEARCH THE WEB
Search the Web:
 (Go)
[advanced search](#)

Done Local intranet

2600


FIG. 26

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

File Edit View Favorites Tools Help










Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss


Address http://georgetown1/Blackout_v30r/bb_admin/frames/frame_enterprise_myblackboard.html Go



 **Your Institution UNIVERSITY** Home Help Logout

My Institution Courses Community Services Academic Web Resources Enterprise Admin

TOOLS

-  [Home](#)
-  [E-Mail](#)
-  [Announcements](#)
-  [Calendar](#)
-  [Tasks](#)
-  [User Directory](#)
-  [Address Book](#)
-  [Course Grades](#)
-  [Personal Info](#)

 **Calendar** Show All ▾

 Add Event  Quick Jump

VIEW DAY VIEW WEEK VIEW MONTH

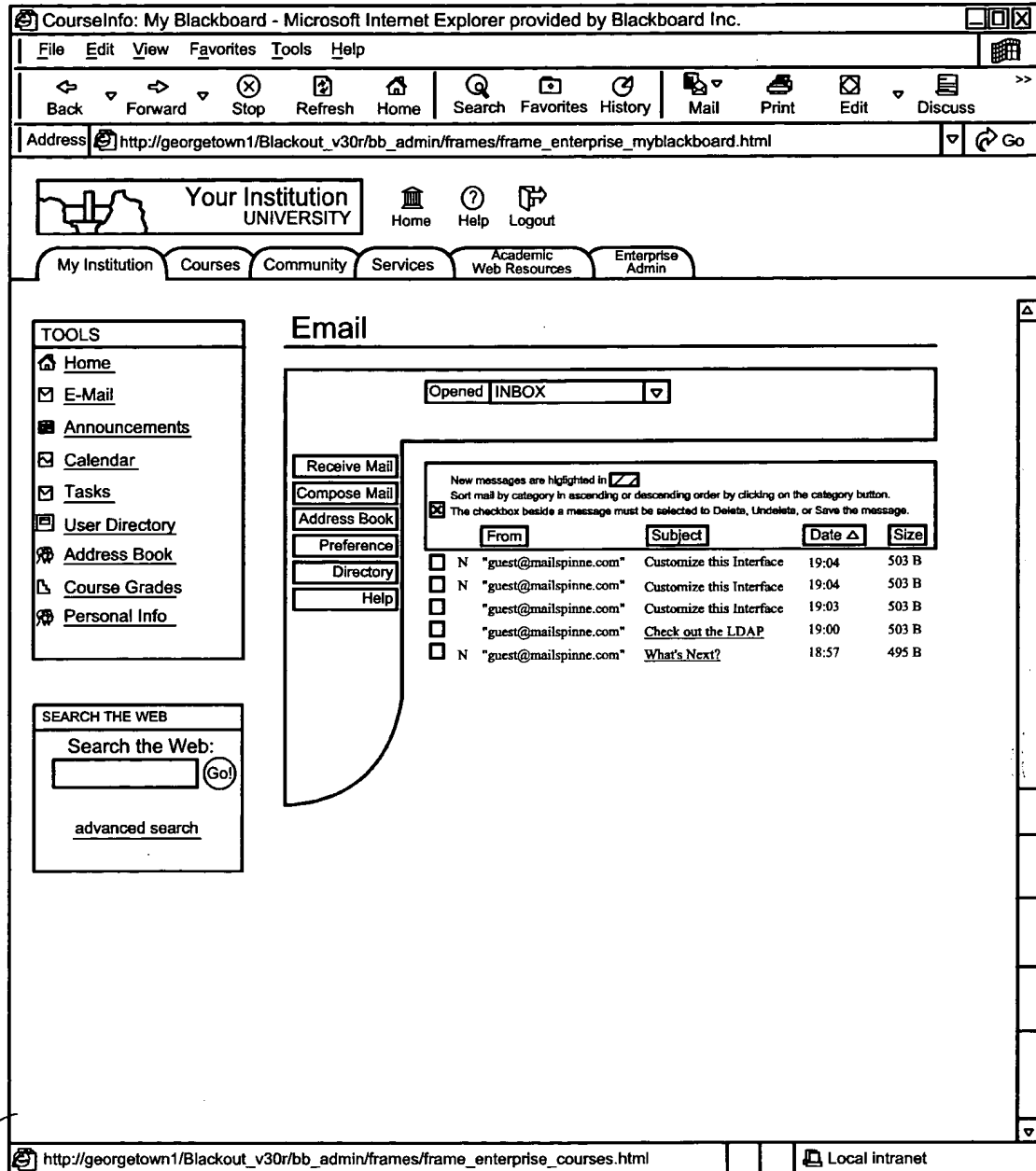
<< Wednesday, March 1, 2000 >>

AM	6:00
	6:30
	7:00
	7:30
	8:00
	8:30
	9:00
	9:30
	10:00
	10:30
	11:00
	11:30
PM	12:00
	12:30
	1:00
	1:30
	2:00
	2:30

Local intranet

2700

FIG. 27



2800

FIG. 28

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History Print Home

Address http://blackout.blackboard.com/bb_admin/frames/frame_enterpriseadmin.html Go

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services Academic Web Resources Enterprise Admin

ADMINISTRATION PANEL > CREATE NEW COURSE

Create A New Course

1 Course Information

Course Name:

Course ID:

Description:

2 Course Design

Button Type:

Button Shape: ☒ Rectangular ☐ Rounded Ends ☐ Rounded Corners

Button Style:

3 Course Options

Select Type:

Guest Access: ☐ Guests are allowed to visit this course. ☐ Guests are not allowed to visit this course.

Start pcANYWHERE Inbox- Microsoft Exploring- Desk Text on BB.5d... CourseInfo My Black Fig.O doc Micr...

Internet 3:37 PM

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History Print Home

Address http://blackout.blackboard.com/bb_admin/frames/frame_enterpriseadmin.html Go

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services Academic Web Resources Enterprise Admin

Guest Access: ☐ Guests are allowed to visit this course. ☐ Guests are not allowed to visit this course.

Available: ☐ Yes ☐ No

Select Course Catalog Category:

Course Cartridge: (optional) Please enter your Course Cartridge Access Key:

If you do not have an Access Key, please visit <http://cartridges.blackboard.com> to locate a Course Cartridge.

Instructor: ☐ Instructor ID: ☐ Create New Instructor

4 Submit

Click "Submit" to finish. Click "Cancel" to end this process.

Cancel Submit

http://blackout.blackboard.com/bb_admin/frames/frame_enterprise_webresources.html

Start pcANYWHERE Inbox- Microsoft Exploring- D Text on BB.5d... CourseInfo Fig.O doc Micr... Document 20... Document 21... Document 22...

Internet 3:38 PM

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History

Address: http://blackout.blackboard.com/bb_admin/frames/frame_enterprise_admin.html

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services Academic Web Resources Enterprise Admin

ADMINISTRATION PANEL > CREATE USER

Create User

① Personal Information

*First Name:

Middle Name:

*Last Name:

*E-mail:

Student ID:

② Account Information

*User Name:

*Password:

*Verify Password:

③ Other Information

Start pcANYWHERE Inbox- Microsoft Exploring- Desk Text on BB.5d... CourseInfo My Black Fig.D doc Micr... Document 20... Document 21... Fig.P doc Micr... Fig.C doc Micr... Internet 3:18 PM

3000

3000

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History

Address: http://blackout.blackboard.com/bb_admin/frames/frame_enterprise_admin.html

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services Academic Web Resources Enterprise Admin

Gender: ☒ Male ☐ Female

Birthday: January 1 1976

Education: Undergraduate Student

Company:

Department:

Job Title:

Address:

Address:(cont)

City:

State / Province:

Zip / Postal Code:

Country:

Web Site:

Home Phone:

Work Phone:

Start pcANYWHERE Inbox- Microsoft Exploring- D Text on BB.5d... CourseInfo..My Fig.D doc Micr... Document 20... Document 21... Fig.P doc Micr... Fig.C doc Micr... Internet 3:18 PM

FIG. 30A

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

File Edit View Favorites Tools Help

Back Search Favorites History

Address: http://blackout.blackboard.com/bb_admin/frames/frame_enterpriseadmin.html Go

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services Academic Web Resources Enterprise Admin

Work Phone:

Work Fax:

Mobile Phone:

④ Role and Availability

Primary Institution Role:

Administrative User Role:
If you would like user to have an administrative role, please select the role:
(Note: Administrative Access grants the user Access to the Administration Control Panel)

☒ None ☐ System Admin ☐ System Support
☐ Course Creator ☐ Account Administrator

⑤ Submit

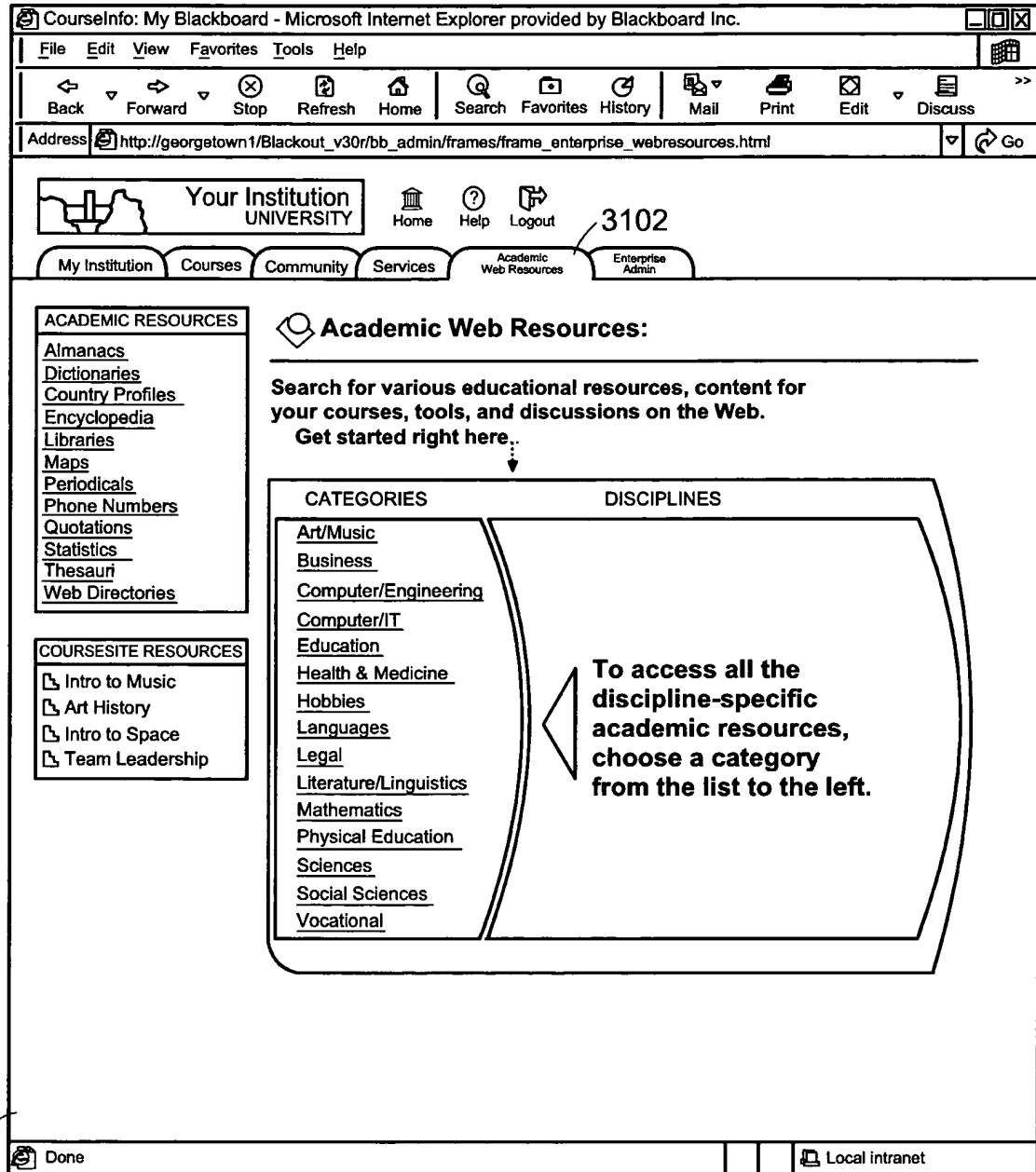
*Required Field for Form Entry
Click "Submit" to finish. Click "Cancel" to end this process.

Cancel Submit

Start pcANYWHERE Inbox- Microsoft... Exploring- Desk Text on BB.5d... CourseInfo My Black... 3:18 PM

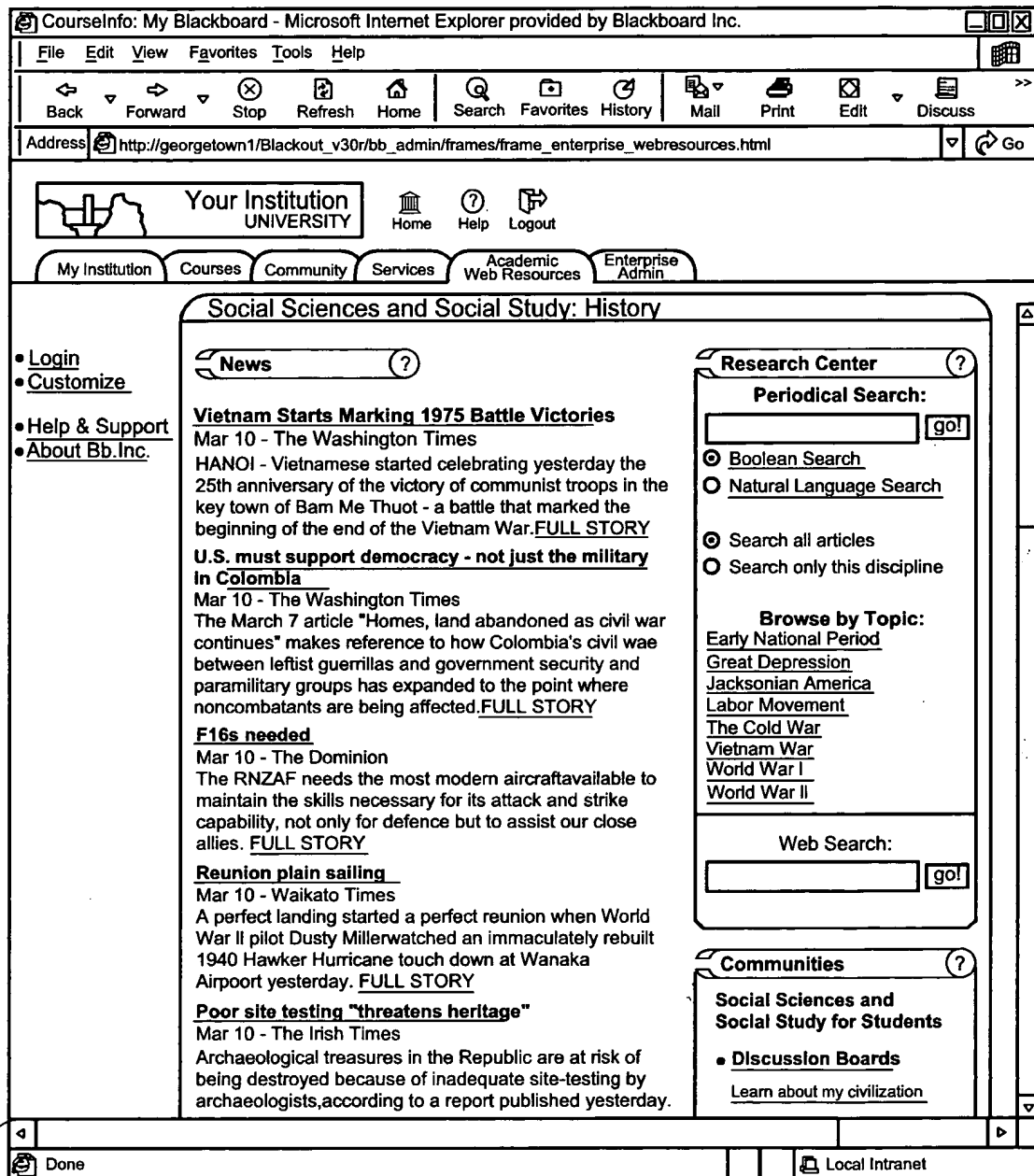
Fig.D doc Micr... Document 20... Document 21... Fig.P doc Micr... Fig.C doc Micr...

FIG. 30B



3100

FIG. 31



Blackboard Learning System TM (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print View Source

Address [set.jsp?tab=courses&url=/bin/common/course.pl?course_id=2](#) Go Links Blackboard ASP Web Tools Crystal Report Viewer

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

Announcements
Course Information
Staff Information
Course Documents
Assignments
Communication
Discussion Board
External Links
Tools

Course Map
Control Panel
Quick Unenroll

COURSES > PATENT > COMMUNICATIONS > COLLABORATION

Collaboration Sessions

Filter: Show All GO Search By: ☒ Session Name ☐ Start Date ☐ End Date (MM DD YY) Search

Displaying sessions 1-2 of 2

Session Name	Tool	Start Date	End Date	
Lecture Hall	Virtual Classroom			Join
Office Hours	Lightweight Chat			Join

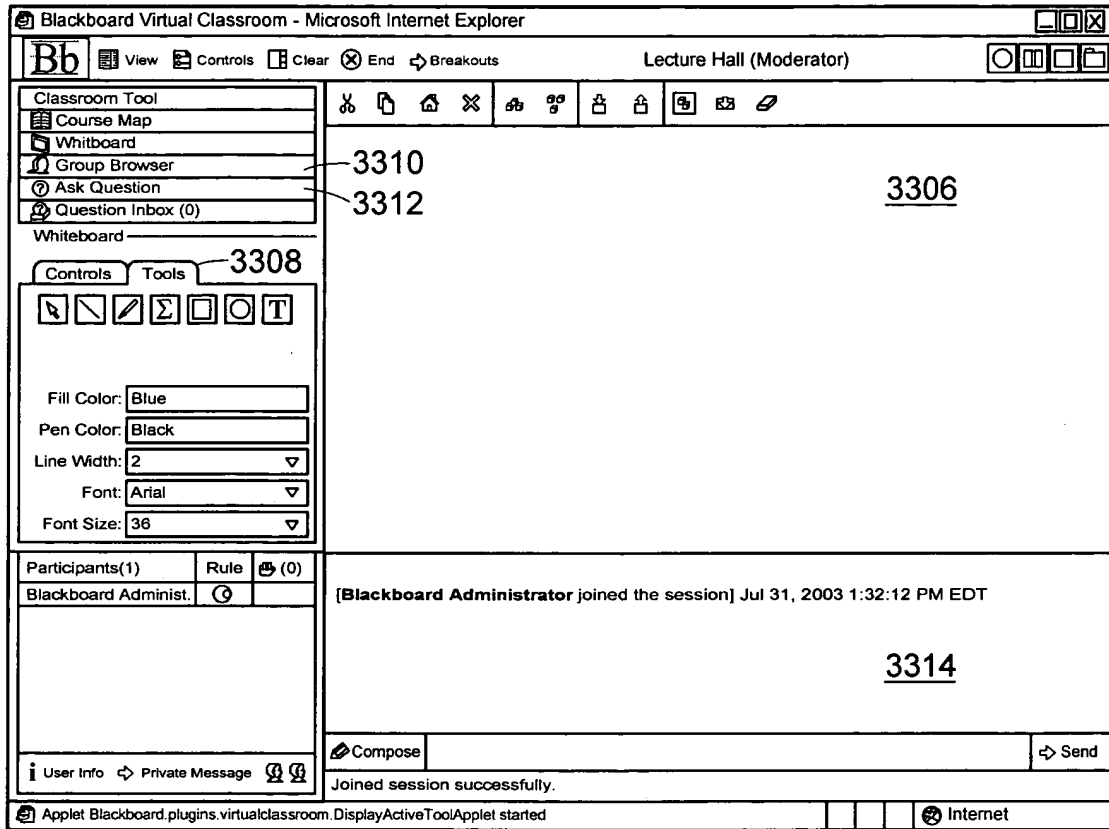
2 Sessions
Displaying sessions 1-2

3302 3304 OK

Powered by Blackboard Internet

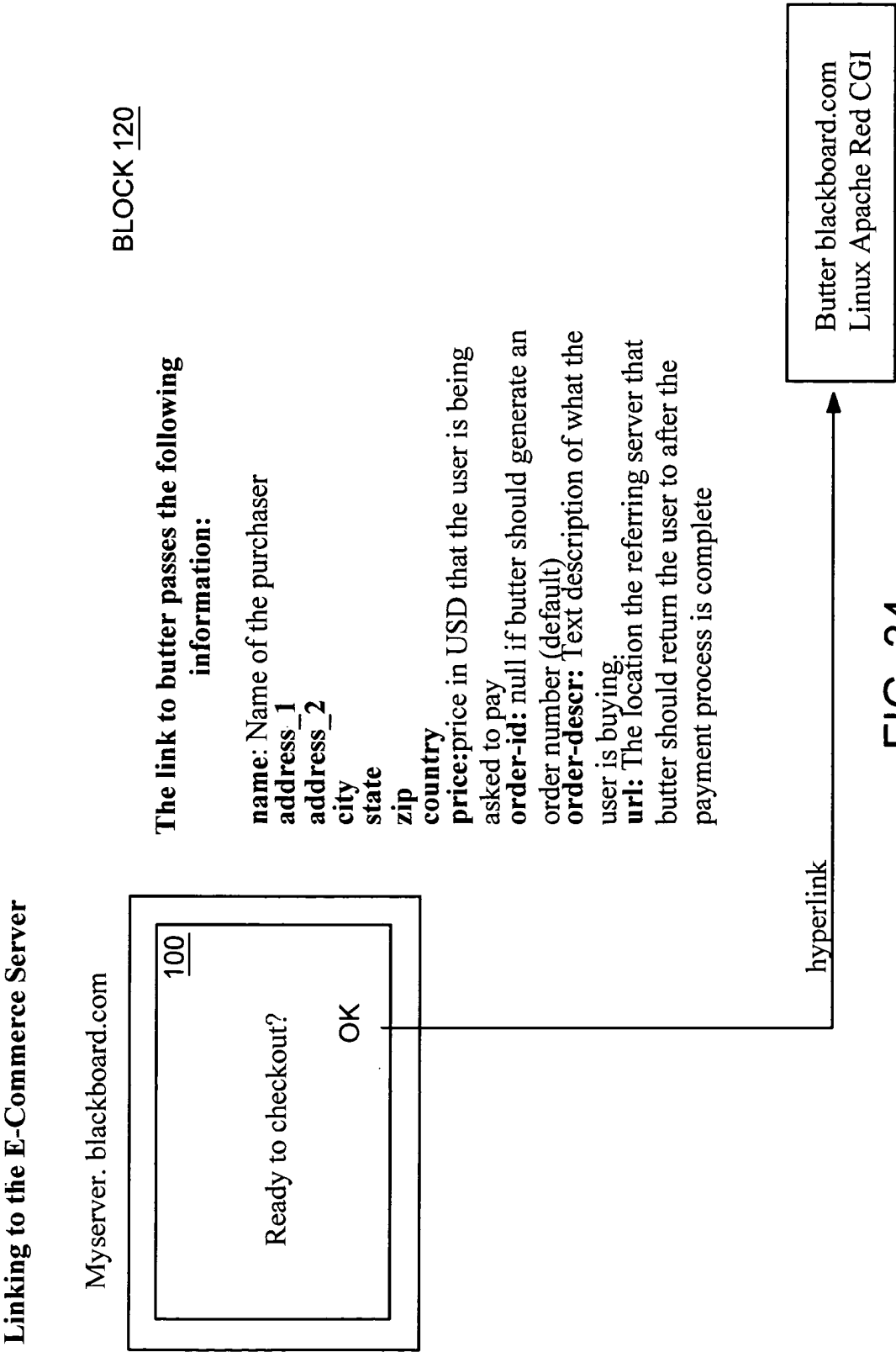
3300

FIG. 33A



3450

FIG. 33B



Butter.blackboard.com

Filled Payment - Netscape		File Edit View Go Communicator Help			[?] [F] What's Related Channels ? Download ? Channels
[Back]	[Forward]	[Home]	[Search]	[Netscape]	[Print]
[Black Forward Reload]	[Bookmarks]	[Location]	[Contact]	[People]	[Yellow Pages]
AA instant Messenger ? mmmmm ? Contact ? People ? Yellow Pages ? Download ? Channels					

Blackboard.com[™]

About Blackboard.com Help & Support Home

Payment information

The fourth step is to the required payment information and click Purchase After a few seconds, you will be given a receipt confirming your payment. Please note that Blackboard.com does not collect or receive transactions, so there is no need to worry about entering your credit card number online.

Prices listed below are in United States dollars.

Purchase Summary

Chosen Services:	Registered Course: asdiadsladl24324349-(\$100)
Purchase Number:	991214001104682
Total Price:	\$100.00

Credit Card Information

Credit Card Type: <div>MasterCard ▼</div>
Card Number: <div> </div>
Expiration Date: <div>(mm/yy) </div>
Name as it appears on card: <div>David Young</div>
Billing address: <div>7777</div>
CITY: <div>7777</div>
State or Province: <div>TX</div>
Zip / Postal Code: <div>08114</div>
Country: <div>USA</div>

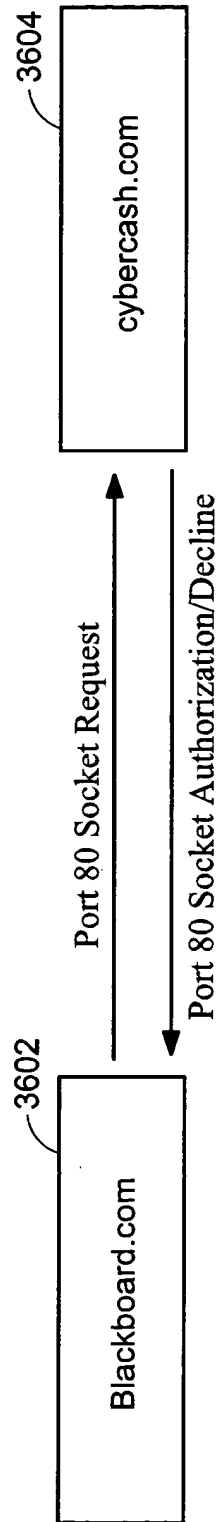
Purchase

(Please be patient. It may take up to one minute to process your credit card)

3500

FIG. 35

Authorization Process



- The authorization process takes a minute or so.
- If the card is rejected, a page like the one at right is displayed.
- If the card is accepted, the payment goes through, and the page on the next slide is shown.

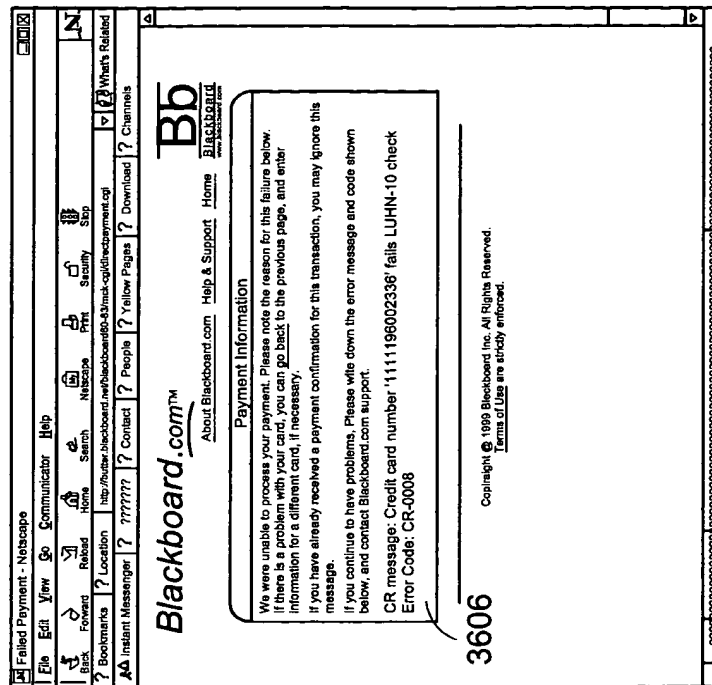
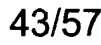


FIG. 36

Butter.blackboard.com



A authorization code is calculated by the script as a secure hash of the purchase price, the order id, and a secret number.

FIG. 37

3800

- The link at the bottom of the page points back to the referring server using the location passed in the URL parameter to the first butter script.
- The authorization code, the `order_id` and a subset of the credit card digits (`show_card`) are passed back as parameters.
- The authorization code should be checked upon return by making an identical hash calculation. If the two hash values match, the order should be fulfilled, otherwise, and error should be shown.



FIG. 38

Blackboard Learning System TM (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print View Source

Address [?tab=courses8>url=/bin/common/course.pl?course_id=_2_1](#) Go Links Customize Links Windows Media Windows

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

COURSES > TEST > CONTROL PANEL > COURSE DOCUMENTS > ADD CONTENT

Add Content

1 Content Information

Name: 3910

or specify your own name: 3912

Choose Color of Name: 3914

Text:

This is an equation placeholder: $\sum_{i=0}^8 \text{"SummationExample"}_i$ 3920

3916

3904

3902 3906

☒ Smart Text ☐ Plain Text ☐ HTML

2 Content Attachments

Powered by Blackboard Trusted sites

3900

FIG. 39

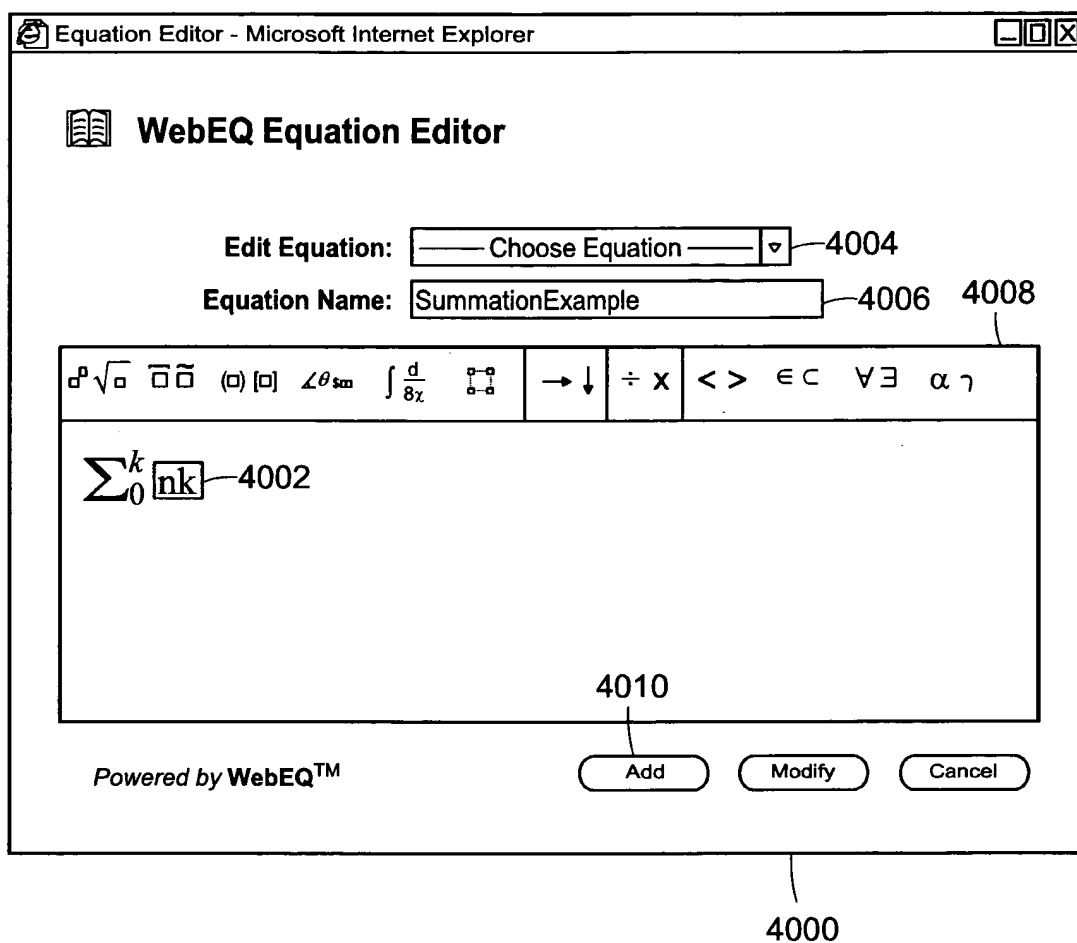
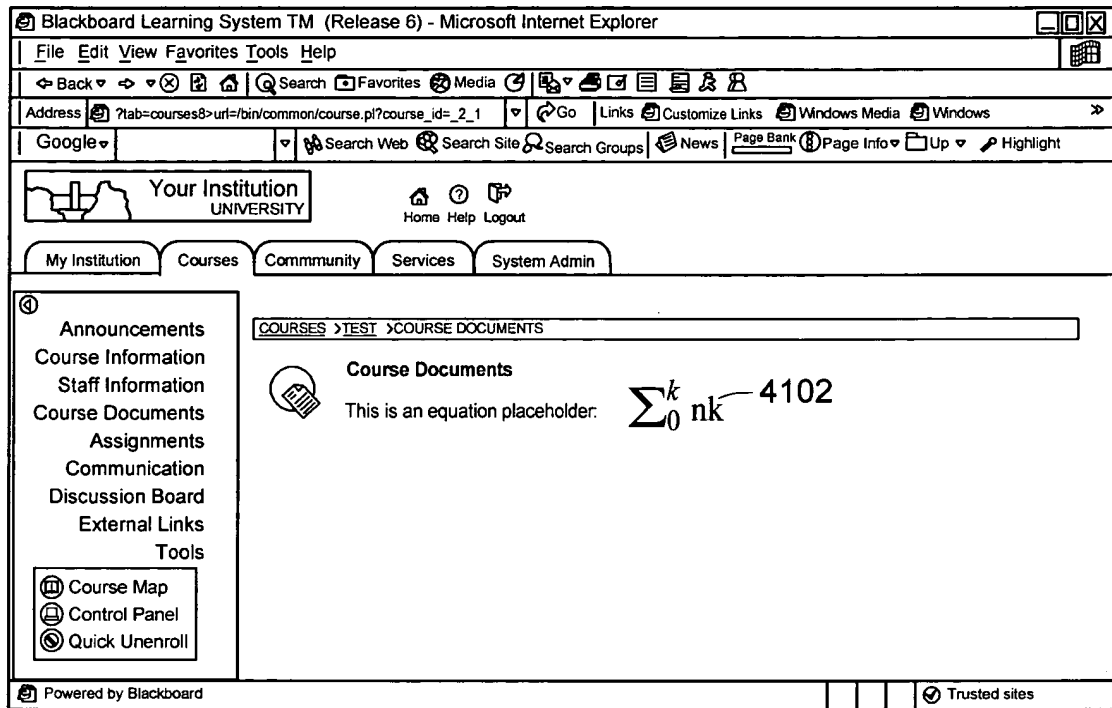


FIG. 40



4100

RENDERED DATA

FIG. 41

Blackboard Learning System TM (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print View Source Help

Address: set.jsp?tab=courses&url=/bin/common/course.pl?course_id=2 Go Links Blackboard ASP Web Tools Crystal Report Viewer

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

Your Institution UNIVERSITY

Home Help Logout

My Institution Courses Community Services System Admin

COURSES > PATENT > CONTROL PANEL > COURSE DOCUMENTS > ADD CONTENT

Add Content

1 Content Information

Name: 3910

or specify your own name: 3912

Choose Color of Name:

Text:

This is a template. Here is a `<link>` to additional data. Here is a custom text object: `<content_block(some_id, type-spec)>` 4202

An equation placeholder: `<equation_0_1|1|88>`

3904

3902 3906

3916

☒ Smart Text ☐ Plain Text ☐ HTML

2 Content Attachments

Files may be attached to the above information. Click the Browse button to select the file to attach from your computer. Also, specify a name of the link to this file.

File to Attach:

Powered by Blackboard Internet

4200

FIG. 42

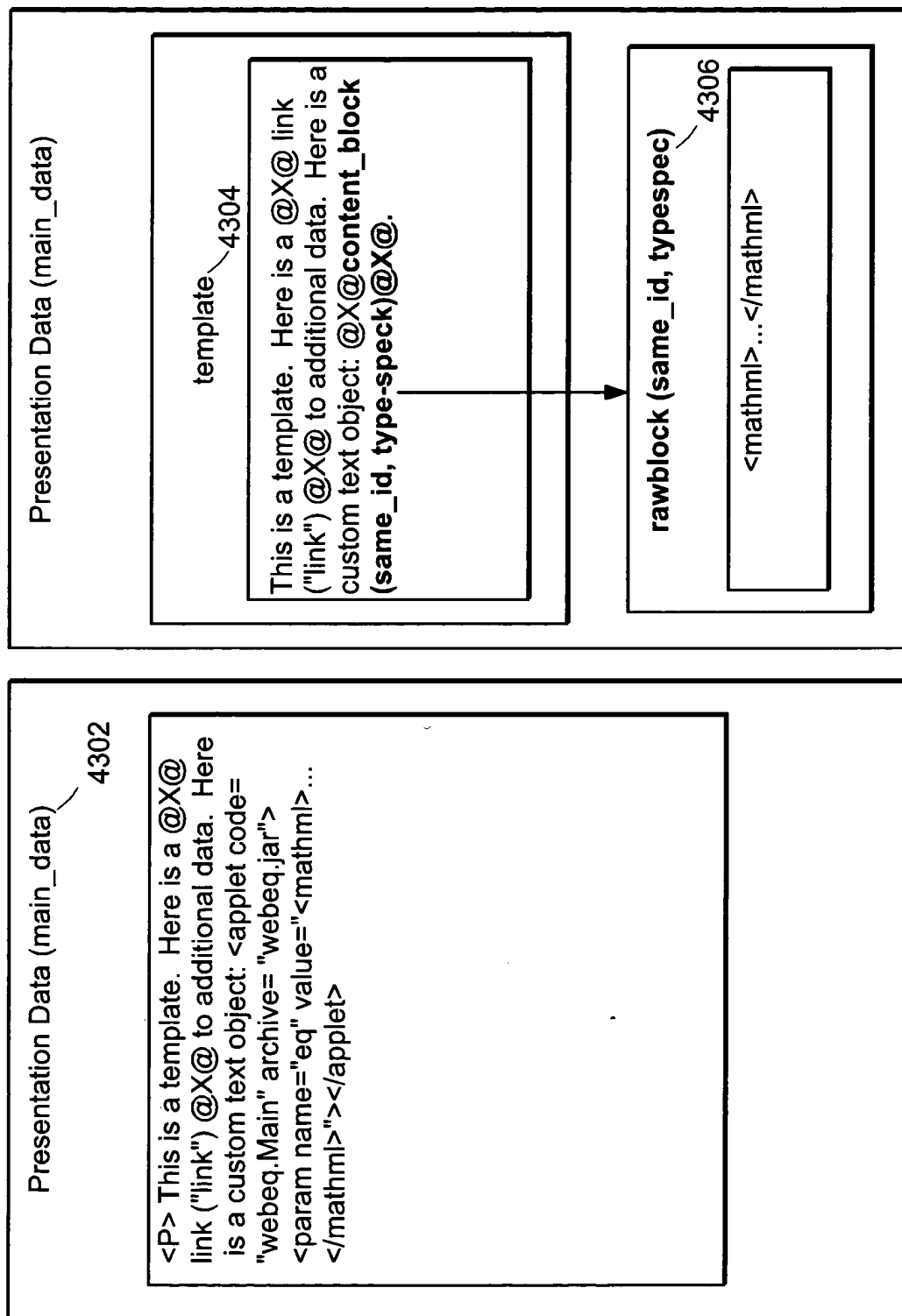


FIG. 43

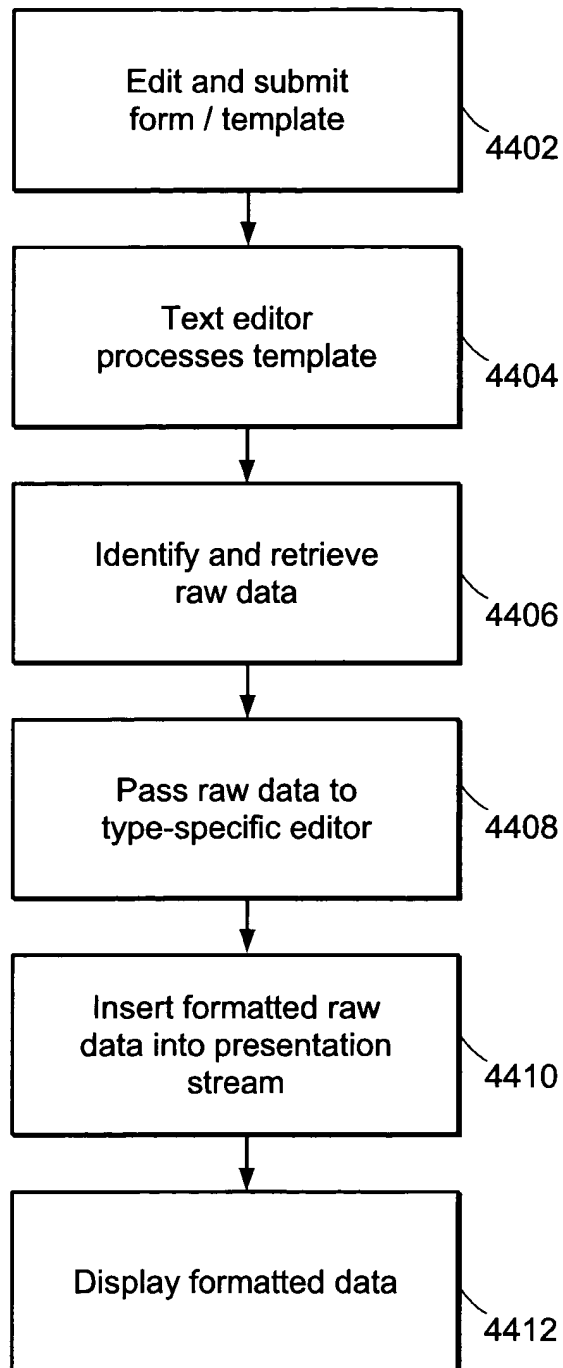


FIG. 44

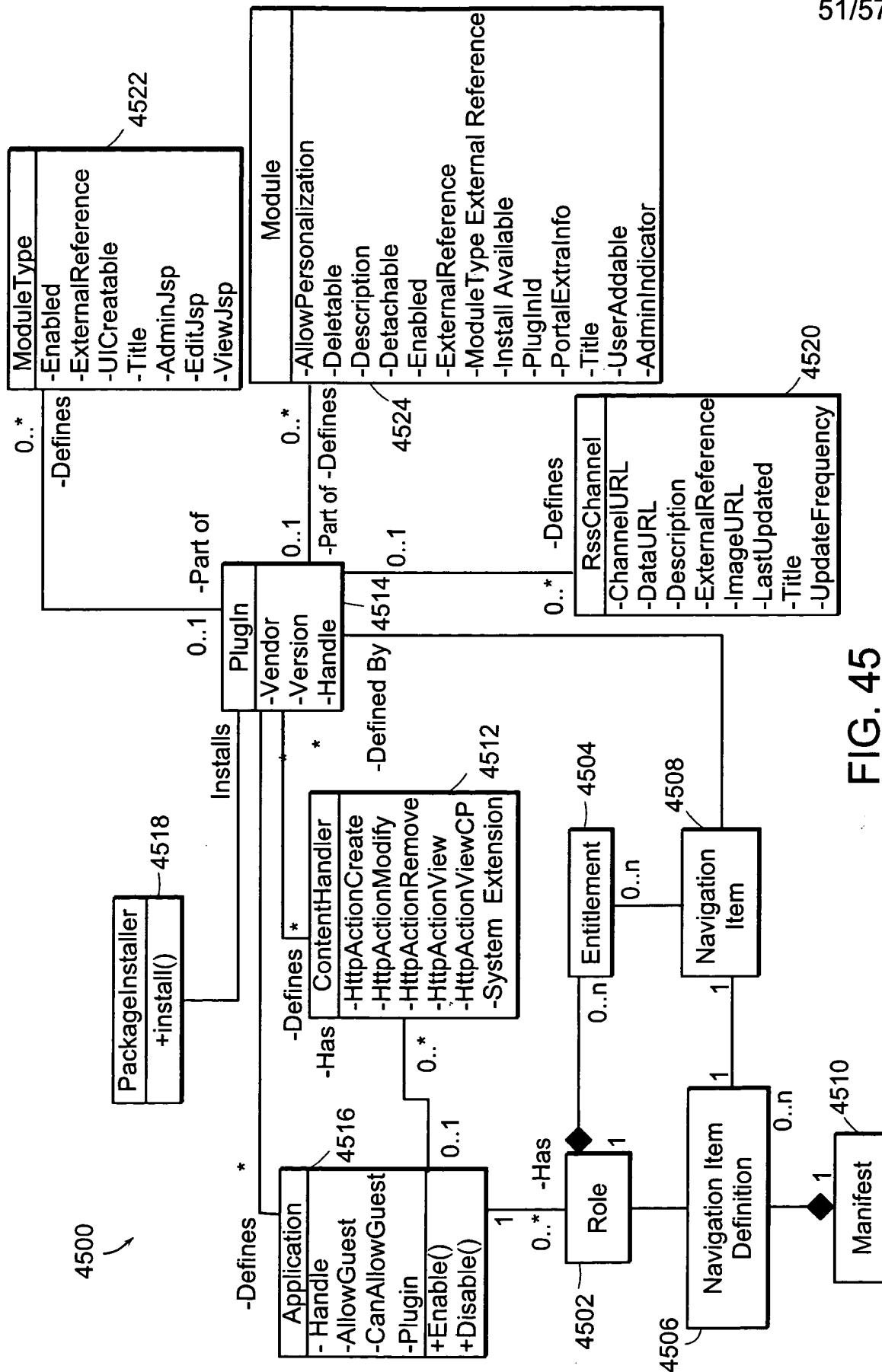


FIG. 45

4600
↙

User Name			Role(s)	Entitlement
Last	First	M.I.		
Jones	Allan	S.	A,I	Course, modify calendar, modify
Smith	Jane	T.	C,T	Course, modify calendar, modify
⋮				
Lee	Alex	Y.	O.	Course.view

FIG. 46

53/57

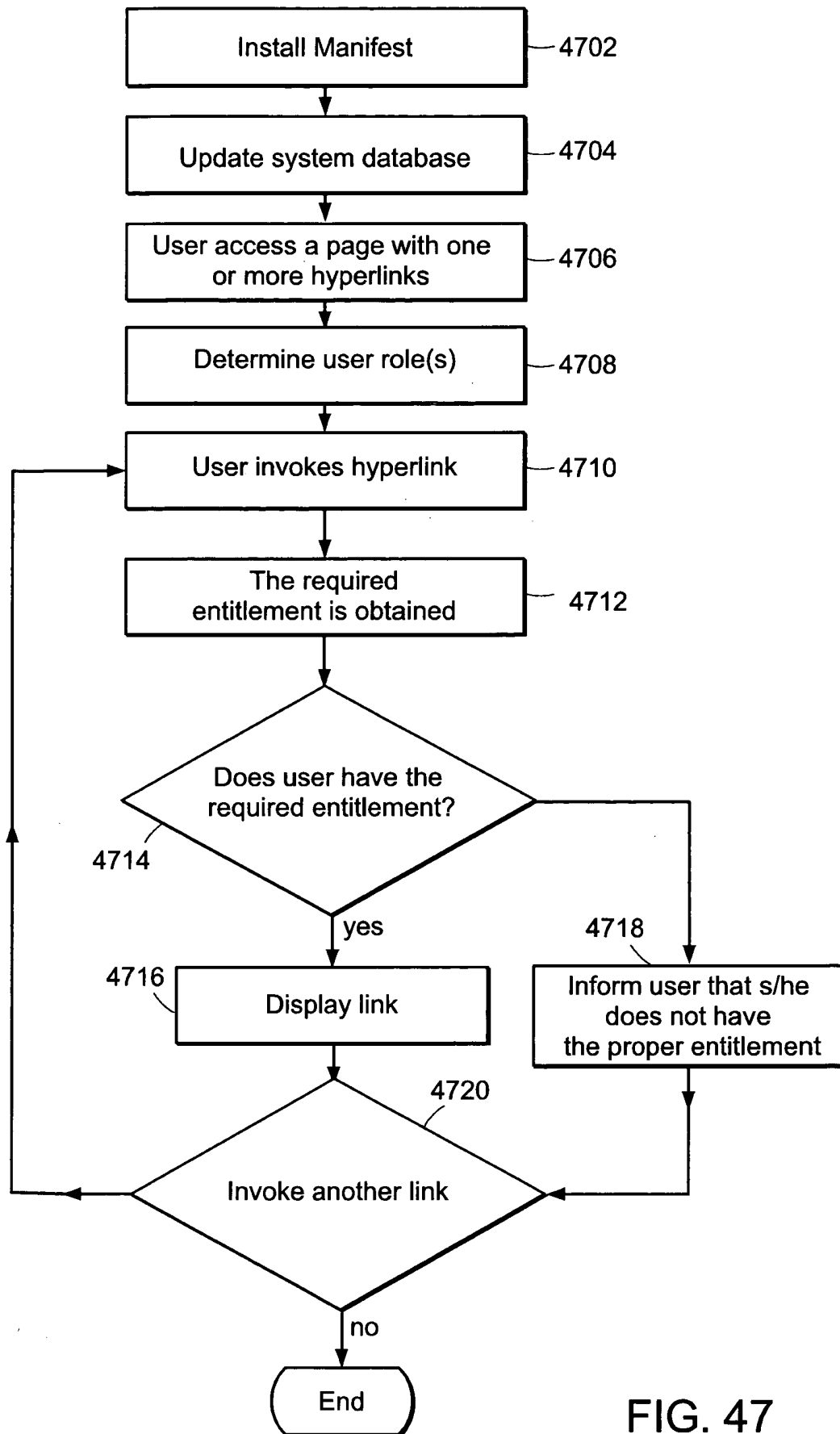


FIG. 47

4802

Blackboard Learning System TM (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print Mail News Groups

Address http://localhost/webapps/portal/frameset.jsp?tab_id= 7_1 Go Links Blackboard ASP Web Tools Crystal Report Viewer Expense Reports>>

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

ADMINISTRATION PANEL > MANAGE SYSTEM EXTENSIONS

Manage System Extensions

Install Extension Download Extension

Installed System Extensions

Name	Vendor	Version	Status		
Astrology	Astrology.com	1.0.1	Available	View Components	Remove
CNNModules	CNN	1.0.0	Available	View Components	Remove
GoogleModule	Google	1.0.0	Available	View Components	Remove
HETemplateModules	Blackboard Inc.	1.0.0	Available	View Components	Remove
Maps	Mapquest	1.0.2	Available	View Components	Remove
New York Times	New York Times	1.0.0	Available	View Components	Remove
Time	Time	1.0.0	Available	View Components	Remove
Travel	Expedia	1.0.0	Available	View Components	Remove
WeatherModule	Weather.com	1.0.0	Available	View Components	Remove
Zap2itModules	Zap2it	1.0.0	Available	View Components	Remove
AOI WYIWYG Editor	AOI Systems	2.5.8	Available	View Components	Properties Remove
Blackboard Course Creation Wizard	Blackboard Research and Development	1.0.1	Available	View Components	Properties Remove

OK

Powered by Blackboard Trusted sites

4800

FIG. 48

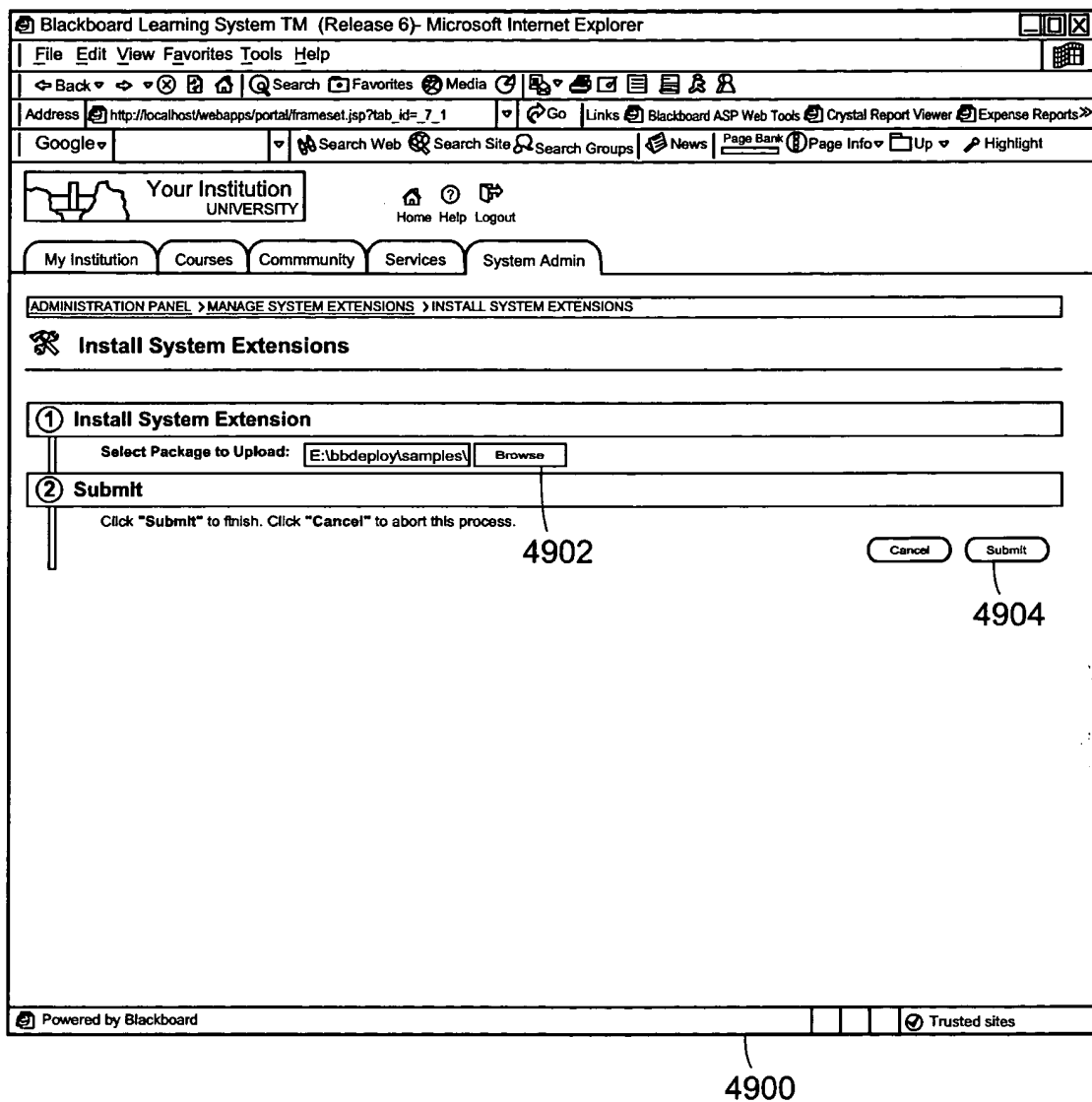
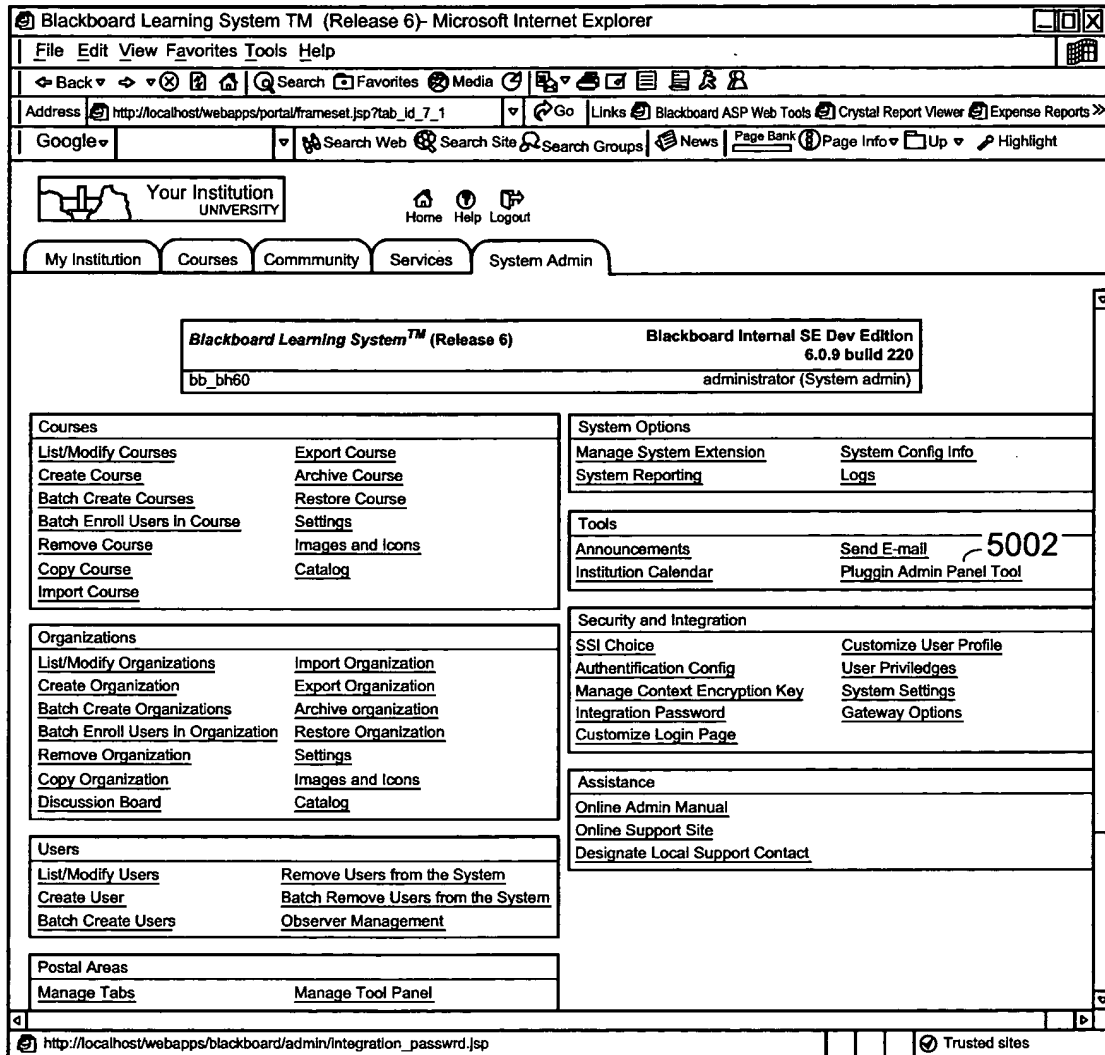


FIG. 49



5000

FIG. 50

5100